STIC Search Report
EIC 2600

Scientific & Technical Information Center — USPTO

TO: Shefali Patel
Location: KNX-9D35
Art Unit : 2621
Friday, June 17, 2005

Case Serial Number: 10/625621

From: Samir Patel
Location: EIC 2600
KNX-8B68
Phone: 571-272-3537

Samir.patel@uspto.gov

Search Notes

Dear Examiner

Please find attached the search results for 10/625621. I searched the standard Dialog files and IEEE.

If you would like a re-focus please let me know.

Thank you

Samir Patel

(34)

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name **Shefali Patel** Examiner #: **79747** Date: **6/10/05**

Art Unit: **2621** Phone Number **2-7396** Serial Number: **10/625,621**

Location: _____ Results Format Preferred (circle): **PAPER** DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elec species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define an terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertir claims, and abstract.

Title of Invention: **Method & System for recognizing questionnaire based on shape.**

Inventors (please provide full names): _____

Tunney, William P.

Earliest Priority Filing Date: **7/24/2003**

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search claim 1 attached.

thank you,
Shefali Patel
2-7396

****

```
Set      Items    Description
S1        3727    CAPTUR????(3N)(DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-
                  AL??)(3N)PEN???
S2      471330    (DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR ID-
                  ENTIF??????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)(-
                  SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3         186    (WRITI?? OR WRITT????)(3N)PAD??
S4     6443334    PAPER??
S5      289042    ANSWER???
S6     1276836    QUESTION?? OR QUESTIONNAIR????
S7           5    AU=(TUNNEY W? OR TUNNEY, W?)
S8           0    S1 AND S2 AND S3 AND S4 AND (S5 OR S6)
S9         114    (S1 OR S3) AND S2
S10          0    S9 AND (S5 OR S6)
S11          0    S1 AND S2 AND S3
S12          5    S2 AND S3
S13          4    RD (unique items)
S14          0    S7 AND S2
```

13/3,K/1   (Item 1 from file: 2)

02410393   INSPEC Abstract Number: B85019506, C85015129
 Title: Office without paper: handwriting-reading machine
  Author(s): Doster, W.
  Journal: Funkschau   no.25   p.61-3
  Publication Date: 7 Dec. 1984   Country of Publication: West Germany
  CODEN: FUSHA2   ISSN: 0016-2841
  Language: German
  Subfile: B C

  ...Abstract: analysis is converted into ASCII characters. At present, the
equipment is limited to a special **writing   pad** with a tracing pen to
help determine the required coordinates. The author presents a description
...
  Descriptors: computerised **pattern   recognition** ;
  ...Identifiers: special **writing   pad** ;

  13/3,K/2   (Item 2 from file: 2)

01320067   INSPEC Abstract Number: A79023105, C79010449
 Title: Computationally directed axisymmetric aspheric figuring
  Author(s): Brown, N.J.
  Author   Affiliation: Lawrence Livermore Lab., Univ. of California,
Livermore, CA, USA
  Journal: Optical Engineering   vol.17, no.6   p.602-20
  Publication Date: Nov.-Dec. 1978 Country of Publication: USA
  CODEN: OPEGAR ISSN: 0091-3286
  Language: English
  Subfile: A C

  Abstract: Presents a simple method of axisymmetric wear **pattern
  calculation**   covering all cases normally encountered on conventional
polishing machines. The techniques were developed for use...

... calculators to make them available to the small-shop personnel for whom
this paper is **written** . Polishing **pad** design and drives are also
discussed.
  ...Identifiers: axisymmetric wear **pattern   calculation** ;

  13/3,K/3   (Item 1 from file: 8)

04624175   E.I. No: EIP97023525907
  Title: New data tablet system for handwriting characters and drawing
based on the image processing
  Author: Yamasaki, Toshinori; Hattori, Tetsuo
  Corporate Source: Kagawa Univ, Kagawa, Jpn
  Conference Title: Proceedings of the 1996 IEEE International Conference
on Systems, Man and Cybernetics
  Conference Location: Beijing, China   Conference Date: 19961014-19961017
  E.I. Conference No.: 46016
  Source: Proceedings of the IEEE International Conference on Systems, Man

and Cybernetics v 1 1996. IEEE, Piscataway, NJ, USA,96CH35929. p 428-431
Publication Year: 1996
CODEN: PICYE3   ISSN: 0884-3627
Language: English

...Abstract: can observe the slow handwriting by this system. The CCD
camera takes the sequential images **written** on the **writing pad** with a
50*50 left bracket mm right bracket frame. After that, the system can...
Descriptors: ***Patter** n **recognition** systems; Character **recognition** ;
Image analysis; Video recording; Feature extraction; Image recording; Video
cameras; Charge coupled devices; Drawing (graphics)

13/3,K/4   (Item 1 from file: 94)

02050890   JICST ACCESSION NUMBER: 94A0511895 FILE SEGMENT: JICST-E
Development of formula editing system using hand- written   **PAD** .
WADA SHINJIRO (1); MATSUMOTO MASATSUGU (1); UENO MASAYUKI (1); TSUSHIMA
     KATSUHIDE (1)
(1) Osaka Electro-Communication Univ.
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
     (Institute of Electronics, Information and Communication Enginners),
     1994, VOL.94,NO.59(ET94 19-28), PAGE.27-30, FIG.3, TBL.1, REF.5
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 681.3.053
LANGUAGE: Japanese   COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Development of formula editing system using hand- written   **PAD** .
...BROADER DESCRIPTORS: **figure pattern recognition** ; ...

... **pattern recognition** ;

Set	Items	Description
S1	5755	CAPTUR????(3N)(DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??)(3N)PEN???
S2	124568	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR ID-ENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)(-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	474	(WRITI?? OR WRITT????)(3N)PAD??
S4	540969	PAPER??
S5	34449	ANSWER???
S6	15770	QUESTION?? OR QUESTIONNAIR????
S7	8	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1 AND S2 AND S3 AND S4 AND (S5 OR S6)
S9	126	(S1 OR S3) AND S2
S10	2	S9 AND (S5 OR S6)
S11	0	S1 AND S2 AND S3
S12	4	S2 AND S3
S13	·4	S12 NOT S10
S14	122	S1 AND S2
S15	2	S14 AND (S6 OR S5)
S16	0	S15 NOT (S10 OR S12)
S17	16	S14 AND S4
S18	14	S17 NOT (S10 OR S12)
S19	2	S7 AND S2
S20	0	S19 NOT S10

?

DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016807291   **Image available**
WPI Acc No: 2005-131572/200514
XRPX Acc No: N05-112794
   Questionnaire **data recognizing method used in field survey, involves
   comparing coordinate set corresponding to written shapes, with prestored
   shapes, and mapping to** questionnaire   answer **upon detecting match**
Patent Assignee: TUNNEY W P (TUNN-I)
Inventor: TUNNEY W P
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20050022124 A1   20050127 US 2003625621   A   20030724 200514 B

Priority Applications (No Type Date): US 2003625621 A 20030724
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 20050022124 A1   11 G06F-017/21

   Questionnaire **data recognizing method used in field survey, involves
   comparing coordinate set corresponding to written shapes, with prestored
   shapes, and mapping to** questionnaire   answer **upon detecting match**

Abstract (Basic):
...   A set of coordinates indicating a shape made in a **questionnaire**
      without use of a graphical user interface is captured, received and
      compared with prestored shapes and mapped to a **questionnaire   answer**
      upon detecting a match.
...   An INDEPENDENT CLAIM is also included for system for
   recognizing   questionnaire data based on **shape** .
      ...

...For recognizing **questionnaire** data used in field surveys and field
      inventory...

...Enables to accurately recognize **questionnaire** data entered by a user,
      independent of the position and/or movement of the **questionnaire** on
    the **capture   device** .
      ...

...The figure shows an exemplary paper data form that includes a
   questionnaire to be filled out
Title Terms: **QUESTIONNAIRE** ;

DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016806777   **Image available**
WPI Acc No: 2005-131057/200514
XRPX Acc No: N05-112307
   Questionnaire **pages identifying method, designates to which copy of
   paper form matched shapes belong, and retrieving data related to matched
   stored shapes to store as writing made on designated copy**
Patent Assignee: TUNNEY W P (TUNN-I); SAP AG (SAPS-N)
Inventor: TUNNEY W P

Number of Countries: 108 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20050018905 A1   20050127   US 2003625596   A   20030724   200514 B
WO 200510659   A2   20050203   WO 2004US20151   A   20040623   200514

Priority Applications (No Type Date): US 2003625596 A 20030724
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 20050018905 A1   12 G06K-009/00
WO 200510659 A2 E   G06F-000/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
    CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
    IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
    NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
    UA UG US UZ VC VN YU ZA ZM ZW
    Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
    GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL
    SZ TR TZ UG ZM ZW

    Questionnaire **pages identifying method, designates to which copy of
    paper form matched shapes belong, and retrieving...**

Abstract (Basic):
...   method involves receiving capture data representing writings
    made on multiple copies of a paper form, **detecting shapes** of the
    writings, and comparing the **detected shapes** with **shapes** stored in
    memory. Designation of to which of the copies the matched shapes belong
    is...
...   The retrieved data includes **answers** to a **questionnaire** .
        ...

...execute the method of identifying multiple pages of a paper data form
    e.g. a **questionnaire** attached to a digital handwriting **capture
    device** .
        ...

...Used for identifying multiple pages of a paper data form e.g. a
    questionnaire , attached to a digital handwriting **capture device** .
        ...

...The method enables a processor to accurately and quickly determine which
    answers were entered on each of multiple **questionnaire** pages
    attached to the **capture device** , without relying on the user to do
    so...

...of a method of identifying multiple pages of a paper data form e.g. a
    questionnaire attached to a digital handwriting **capture** device .

Title Terms: **QUESTIONNAIRE ;**

13/3,K/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

02061890   **Image available**
ELECTRONIC EQUIPMENT WITH HANDWRITTEN **PATTERN** **RECOGNIZING** FUNCTION

PUB. NO.:   61-275990 [JP 61275990 A]
PUBLISHED: December 06, 1986 (19861206)
INVENTOR(s):   MATSUYAMA SHIGERU
APPLICANT(s):   CANON INC [000100] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   60-116719 [JP 85116719]
FILED: May 31, 1985 (19850531)
JOURNAL: Section: P, Section No. 572, Vol. 11, No. 137, Pg. 55, May
                02, 1987 (19870502)

ELECTRONIC EQUIPMENT WITH HANDWRITTEN **PATTERN** **RECOGNIZING** FUNCTION

ABSTRACT
PURPOSE: To lower a cost and improve an operability by **recognizing** an
input handwriting **pattern** from a hand **writing** inputting key **pad** and
detecting only the prescribed coordinate data of a coordinate input means
being independently inputted...

13/3,K/2   (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

02057462   **Image available**
PERSONAL COMPUTER

PUB. NO.:   61-271562 [JP 61271562 A]
PUBLISHED: December 01, 1986 (19861201)
INVENTOR(s):   TAKASE AKIO
APPLICANT(s):   MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   60-113889 [JP 85113889]
FILED: May 27, 1985 (19850527)
JOURNAL: Section: P, Section No. 570, Vol. 11, No. 129, Pg. 55, April
                23, 1987 (19870423)

ABSTRACT
...a cartridge side together with a read-only memory (ROM) which stores the
programs to **recognize** the **patterns** supplied to the graphic inputting
device...

... 23 within the part 21 stores a program to recognize the linear graphics
like characters **written** to the **pad** 25 based on the code data supplied
successively from the pad 25. The recognized linear...

13/3,K/3   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016156099   **Image available**
WPI Acc No: 2004-313986/200429
XRAM Acc No: C04-119244

XRPX Acc No: N04-250010
  Smart card for use as e.g. credit card, includes sensor for detecting
  personal characteristic of authorized bearer, software facility for
  interpreting received information, and indicia facility for indicating if
  the card is authenticated
Patent Assignee: ROWE B (ROWE-I)
Inventor: ROWE B
Number of Countries: 103 Number of Patents: 003
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20040050930 A1   20040318 US 2002246017   A   20020917 200429 B
WO 200427702   A2   20040401 WO 2003US29075   A   20030916 200431
AU 2003299013   A1   20040408 AU 2003299013   A   20030916 200462

Priority Applications (No Type Date): US 2002246017 A 20020917
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 20040050930 A1   14 G06K-005/00
WO 200427702 A2 E   G06K-019/10
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
    IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
    NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN
    YU ZA ZM ZW
    Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
    GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ
    UG ZM ZW
AU 2003299013 A1   G06K-019/10   Based on patent WO 200427702

Abstract (Basic):
Technology Focus:
...   Components: The sensor is fingerprint reader, voice recognition
    device, a DNA analyzer, a human eye **pattern detector** , and a
    signature analyzer. The smart card includes a conventional magnetic
    strip that stores card...

...at the exterior surface of the smart card. The smart card includes a
    stylus for **writing** on the write **pad** , and a display where the human
    perceivable output comprises the personal information that is displayed
    ...

 13/3,K/4   **(Item 2 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014091965   **Image available**
WPI Acc No: 2001-576179/200165
  Household utensil attached with manual of computer program
Patent Assignee: SON K U (SONK-I)
Inventor: SON K U
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
KR 2001029552   A   20010406 KR 20001575   A   20000113 200165 B

Priority Applications (No Type Date): KR 99U20505 U 19990922
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
KR 2001029552 A   1 G09F-007/00

Abstract (Basic):

...   surface of a household utensil such as a cup, a saucer, a mouse
    pad, a **pad** to rest **writing** paper on, a credit card, and a picture
    frame to easily master the usage of...

...picture for ensuing a user to easily master the computer program. Also,
    the computer program **recognition** device of manual **shape** is fixed or
    separately attached on the outer surface of the household utensil. The
    user...

?

08014319   **Image available**
HANDWRITING SIGNATURE AUTHENTICATION SYSTEM

PUB. NO.:   2004-127078 [JP 2004127078 A]
PUBLISHED: April 22, 2004 (20040422)
INVENTOR(s): YOSHIDA TETSUO
APPLICANT(s): AXIOM CO LTD
APPL. NO.:   2002-292341 [JP 2002292341]
FILED: October 04, 2002 (20021004)

ABSTRACT

PROBLEM TO BE SOLVED: To make an image of handwritten characters color-developed on the **paper** in real time so as to be recognized, even if using a **pen**, which has only a **pen pressure** detection function as a writing-implement, and which can not write characters on an ordinary **paper** as a ballpoint pen.

SOLUTION: This system uses a means for detecting the **pen pressure** when signing by handwriting; a means for extracting a temporal variation **pattern** of the **detected pen pressure** or the characteristics obtained from the pattern; a means for comparing and collating the temporal variation pattern of the **pen pressure** or the characteristics obtained from the pattern with personal data registered in advance; and no carbon **papers** wherein the characters color-developed by applying the **pen pressure** are easily recognizable from a **pen - pressure** -applied surface. Consequently, the characters can be recognized as signed on the ordinary **paper** with the ballpoint pen.

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07965719   **Image available**
CURRENCY IDENTIFYING DEVICE AND METHOD

PUB. NO.:   2004-078478 [JP 2004078478 A]
PUBLISHED: March 11, 2004 (20040311)
INVENTOR(s): RI CHORYU
APPLICANT(s): SUNPLUS TECHNOLOGY CO LTD
APPL. NO.:   2002-236648 [JP 2002236648]
FILED: August 14, 2002 (20020814)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **device** and method for **capturing** and **identifying** the **pattern** image of a currency surface to increase the accuracy of the currency identification, and for...

...a consumer.

SOLUTION: In the currency identifying device and method for identifying the authenticity of **paper** money and coins, the surface image of currency is

captured, and the currency surface image...

18/3,K/3   **(Item 3 from file: 347)**
DIALOG(R)File 347:JAPIO
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07808867   **Image available**
DEVICE AND METHOD FOR MUSICAL SCORE INFORMATION INPUT

PUB. NO.:   2003-302967   [JP 2003302967 A]
PUBLISHED: October 24, 2003 (20031024)
INVENTOR(s):   ANDOU TOKIHARU
APPLICANT(s): YAMAHA CORP
APPL. NO.:   2003-103244 [JP 2003103244]
               Division of 05-089346 [JP 9389346]
FILED: March 24, 1993 (19930324)

ABSTRACT
... a figure corresponding to desired note information is inputted at a
desired position on music **paper** displayed on a tablet by using a
handwritten input pen, a **detecting** circuit **detects** the input **figure**
and the stroke **pressure** of the **pen** and a CPU **recognizes** the input
figure (a). Then the CPU converts the **recognized** input **figure** into
note information and the stroke pressure into a velocity and a note and a
strength symbol corresponding to the velocity are displayed on the music
paper (b). Similarly, when a new handwritten **figure** is inputted, the
figure is **recognized** (c) and converted into a note and a strength
symbol, which are displayed (d).

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18/3,K/4   **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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016971096   **Image available**
WPI Acc No: 2005-295409/200530
XRPX Acc No: N05-242611
   Print control system for producing location patterns **, controls printer**
   to print position determining pattern **and human discernable content**
   on superimposition with pattern, using machine-readable and non-machine
   readable inks respectively
Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP)
Inventor: ENCRENAZ M; LAMMENS J
Number of Countries: 108 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200525201	A2	20050317	WO 2004EP51935	A	20040827	200530	B

Priority Applications (No Type Date): GB 200321164 A 20030910
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200525201	A2	E	126	H04N-001/00	

   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
   CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
   IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
   NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
   UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL
SZ TR TZ UG ZM ZW

Print control system for producing location patterns **, controls printer
to print position** determining **pattern and human discernable content
on superimposition with pattern, using machine-readable and non-machine
readable...**

Abstract (Basic):
...   The system controls digital printer to print position-
determining pattern which is readable by **digital   pen** on a
document, with machine-readable ink, and human discernable content that
is not readable...
...   4) a method of printing both machine-readable position-
determined   pattern and human discernable content...

...7) a method of reducing problems experienced by infrared **digital   pen**
    ;
        (...

...13) a sheet of **paper** having human discernable content and machine
    readable position **determining   pattern** ;
        (...

...ink-jet printer, laser printer, and the like, to print location patterns --
    for digital pattern **paper** used with a **digital   pen** , e.g. an Anoto
    Logitech IO(RTM) which is designed to **detect** a dot **pattern** produced
    with IR-absorbing black ink over which human-readable information may
    be printed using...

...Eliminates the need for pre-order **paper** having pre-printed pattern
    because of non-interference of human readable content and machine
    readable

18/3,K/5   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016931019   **Image available**
WPI Acc No: 2005-255329/200527
XRPX Acc No: N05-210091
   Digital   pen **and** paper **system has base station that transmits
   received information acquired by pen from position** determining   pattern
   on document, to remote server through telecommunication network
Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP); BROUHON P (BROU-I)
Inventor: BROUHON P
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2405959	A	20050316	GB 200321176	A	20030910	200527	B
US 20050099409	A1	20050512	US 2004938867	A	20040909	200532	

Priority Applications (No Type Date): GB 200321176 A 20030910
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2405959	A		24	G06F-003/033	
US 20050099409	A1			G09G-001/28	

Digital   pen **and** paper **system has base station that transmits received information acquired by pen from position** determining   pattern **on document, to remote server through telecommunication network**

Abstract (Basic):
...   A **digital**   **pen** transmits information acquired from a position **determining**   **pattern** on a document (400), to a base station (420) having dedicated processor and program for...
...   **Digital**   **pen** and **paper** system...

...The figure shows a schematic view of the **digital**   **pen** and **paper** system
...Title Terms: **PAPER ;**

18/3,K/6   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016917928   **Image available**
WPI Acc No: 2005-242216/200525
XRPX Acc No: N05-199581
  System for generating position identification pattern on document e.g. label, prints data in document based on scaling factor associated with selected network printer
Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP)
Inventor: GONZALEZ A; GONZALEZ M
Number of Countries: 108 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200524618	A1	20050317	WO 2004EP51931	A	20040827	200525	B

Priority Applications (No Type Date): GB 200321170 A 20030910
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200524618	A1	E	30	G06F-003/033	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
    CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
    IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
    NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ
    UA UG US UZ VC VN YU ZA ZM ZW
    Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
    GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL
    SZ TR TZ UG ZM ZW

Abstract (Basic):
...   2) method of producing position **identifying**   **pattern** to be applied on document...

...pattern to be applied on document in the form of label or note pad in **digital**   **pen** and **paper** system...
Technology Focus:
...   The **digital**   **pen** is connected to the network through Bluetooth radio link with the personal computer.

18/3,K/7   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016907453   **Image available**
WPI Acc No: 2005-231741/200524
XRPX Acc No: N05-190873
   Image generation method in digital   pen - paper **system for printing on**
   document, involves superimposing printing content having dots smaller
   than pattern dots, on position identification pattern
Patent Assignee: HEWLETT-PACKARD DEV CO LP (HEWP); BROUHON P (BROU-I);
   GOLDSTEIN I (GOLD-I)
Inventor: BROUHON P; GOLDSTEIN I
Number of Countries: 034 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20050053405	A1	20050310	US 2003661000	A	20030910	200524	B
EP 1515265	A2	20050316	EP 2004104288	A	20040906	200524	

Priority Applications (No Type Date): US 2003661000 A 20030910
Patent Details:

Patent No	Kind Lan	Pg	Main IPC	Filing Notes
US 20050053405	A1	15	B41J-011/44	
EP 1515265	A2 E		G06K-015/02	

   Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
   GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

Abstract (Basic):
...   3) product having position **identifying**   **pattern** and content
   ...

...laser inkjet printer connected to personal computer (PC) through local
   network (LAN) or internet, in **digital**   **pen - paper** system...

...The figure shows a schematic view of the arrangement of **digital**   **pen**
   and document...

... **paper** (4...

... **digital**   **pen** (8
...Title Terms: **PAPER** ;

 18/3,K/8   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016482802   **Image available**
WPI Acc No: 2004-640745/200462
XRPX Acc No: N04-506525
   Data input system in system utilizing electronic pen holds data entered
   on sheet to be identified in association with combination of codes, which
   are converted based on inputs in marks for identification positioned in
   other sheet
Patent Assignee: HITACHI LTD (HITA); HITACHI SEISAKUSHO KK (HITA);
   FUJII K (FUJI-I); FURUYA M (FURU-I); HAYASHI T (HAYA-I); TOKUNAGA M
   (TOKU-I)
Inventor: FUJII K; FURUYA M; HAYASHI T; TOKUNAGA M
Number of Countries: 004 Number of Patents: 004
Patent Family:

```
Patent No      Kind    Date      Applicat No      Kind    Date       Week
US 20040160430  A1    20040819   US 2003641053    A      20030815    200462  B
JP 2004246433   A     20040902   JP 200333093     A      20030212    200462
CN 1521597      A     20040818   CN 2003154964    A      20030819    200477
KR 2004073254   A     20040819   KR 200357105     A      20030819    200482
```

Priority Applications (No Type Date): JP 200333093 A 20030212
Patent Details:
```
Patent No  Kind Lan Pg   Main IPC       Filing Notes
US 20040160430 A1    17  G09G-005/00
JP 2004246433 A      12  G06F-003/03
CN 1521597    A          G06F-003/00
KR 2004073254 A          G06F-003/03
```

Abstract (Basic):
...   comprises a unit for holding correspondence between a dot
   pattern (210) on a sheet of **paper** (102) to be **identified** and a dot
   pattern on a sheet on which mark for identification is printed. The
   system holds data entered...
...   system utilizing electronic pen for reading dot pattern and
   digitalizing contents written on sheet of **paper** .
      ...

...For input data in system utilizing electronic pen for reading dot
   pattern printed on **paper** .
      ...

...Enables identifying in which **paper** a data entry is made, out of
   several sheets of **paper** having an identical dot pattern...

... **paper** (102...

... **pen** **pressure** sensor (205

 18/3,K/9   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016385628   **Image available**
WPI Acc No: 2004-543537/200452
XRAM Acc No: C04-199479
XRPX Acc No: N04-429768
   **Article mounting on surface of packaging substrate and for detecting
   analytes such as viral antigens, comprises facestock film with first and
   second surfaces, adhesive layer adjacent to facestock film, and analyte
   detecting system**
Patent Assignee: AVERY DENNISON CORP (AVER); HARTMAN W G (HART-I);
   HERRMANN C K (HERR-I); HOLGUIN D L (HOLG-I); LI K (LIKK-I); PATEL-LAHANIS
   N (PATE-I); SANDT R L (SAND-I)
Inventor: HARTMAN W G; HERRMANN C K; HOLGUIN D L; LI K; PATEL-LAHANIS N;
   SANDT R L
Number of Countries: 107 Number of Patents: 003
Patent Family:
```
Patent No       Kind    Date      Applicat No      Kind    Date       Week
WO 200459281    A2    20040715   WO 2003US39949   A      20031216    200452  B
US 20040142495  A1    20040722   US 2002433737    P      20021216    200452
                                 US 2003737023    A      20031216
AU 2003302254   A1    20040722   AU 2003302254    A      20031216    200476
```
Priority Applications (No Type Date): US 2002433737 P 20021216; US

2003737023 A 20031216
Patent Details:
Patent No Kind Lan Pg Main IPC   Filing Notes
WO 200459281 A2 E 45 G01N-000/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
    CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
    IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
    NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA
    UG UZ VC VN YU ZA ZM ZW
    Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
    GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR
    TZ UG ZM ZW
US 20040142495 A1   G01N-033/543 Provisional application US 2002433737

AU 2003302254 A1   G01N-000/00   Based on patent WO 200459281

Abstract (Basic):
Technology Focus:
...   the facestock film first surface and oriented relative to the
    micro-structure, and the immunoassay **device** comprises, a **capture**
    antibody layer comprising a species of capture antibodies, supported in
    a predetermined pattern on the...

...dye is a polyazamacrocyclic transition metal complex. The transition
    metal is platinum or palladium. The **detecting** system comprises a
    patterned coating on at least one of the facestock film surfaces. The
    binder is present in...

...the particles are present in an amount of 1-90 wt.%. The facestock film
    comprises **paper** or a polymeric film. The detecting system comprises a
    conductive ink layer comprising a conductive...

 18/3,K/10   **(Item 7 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015583050   **Image available**
WPI Acc No: 2003-645207/200361
XRPX Acc No: N03-513291
    Digital pen **for facilitating data entry, has contact sensor to
    determine whether writing tip is positioned against substrate and
    processor outputting writing tip position based on signals received from
    detector**
Patent Assignee: FAGIN R (FAGI-I); MEGIDDO N (MEGI-I); MORRIS R J T
    (MORR-I); RAJAGOPALAN S (RAJA-I); ROSEN H J (ROSE-I); ZIMMERMAN T G
    (ZIMM-I); INT BUSINESS MACHINES CORP (IBMC)
Inventor: FAGIN R; MEGIDDO N; MORRIS R J T; RAJAGOPALAN S; ROSEN H J;
    ZIMMERMAN T G
Number of Countries: 001 Number of Patents: 002
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
US 20030106985 A1   20030612 US 2000557579 A   20000422 200361 B
US 6686579   B2   20040203 US 2000557579 A   20000422 200413

Priority Applications (No Type Date): US 2000557579 A 20000422
Patent Details:
Patent No Kind Lan Pg Main IPC   Filing Notes
US 20030106985 A1   15 H01L-027/00
US 6686579   B2   H01L-027/00

Digital   pen **for facilitating data entry, has contact sensor to determine whether writing tip is positioned against...**

Abstract (Basic):

...   on the body to direct light onto a substrate to position the writing tip. A **detector** receives interference **patterns** of light output by the laser and reflected by the substrate and a contact sensor ...

...   The pen enables the writer to write characters on conventional **paper** substrate while recording pen motion on ordinary **paper** , so that the user can write on any convenient substrate without having to transport and...

... **Digital   pen   (10**

18/3,K/11   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014483474   **Image available**
WPI Acc No: 2002-304177/200234
XRPX Acc No: N02-238006
  Digital   pen **to convert manual** pen **strokes into** digital **format has diffraction grating reflecting reference beam and passing beam reflected from** paper **also translation** detectors **for nib force and interference** patterns
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM UK LTD (IBMC)
Inventor: SMITH B A; ZIMMERMAN T G
Number of Countries: 098 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200217222	A2	20020228	WO 2001GB3333	A	20010723	200234	B
AU 200172672	A	20020304	AU 200172672	A	20010723	200247	
EP 1312042	A2	20030521	EP 2001951823	A	20010723	200334	
			WO 2001GB3333	A	20010723		
US 6592039	B1	20030715	US 2000644809	A	20000823	200348	
KR 2003022414	A	20030315	KR 2003702314	A	20030217	200350	
JP 2004506994	W	20040304	WO 2001GB3333	A	20010723	200417	
			JP 2002521216	A	20010723		
TW 222027	B1	20041011	TW 2001120380	A	20010820	200530	

Priority Applications (No Type Date): US 2000644809 A 20000823
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200217222 A2 E 20 G06K-011/00
   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
   CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
   IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
   PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200172672 A   · G06K-011/00   Based on patent WO 200217222
EP 1312042   A2 E   G06K-011/00   Based on patent WO 200217222
   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI TR
US 6592039   B1   G06K-007/10
KR 2003022414 A   G06F-003/033
JP 2004506994 W   41 G06F-003/03   Based on patent WO 200217222

TW 222027   B1   G06K-011/18

Digital   pen **to convert manual** pen **strokes into** digital **format has diffraction grating reflecting reference beam and passing beam reflected from** paper **also translation** detectors **for nib force and interference** patterns

Abstract (Basic):
...   The pen has a laser to direct light at the e.g. **paper** by the nib. One or more diffraction gratings reflect a reference beam and pass a beam reflected from the **paper** . A translation **detector** converts interference **patterns** between reference and reflected beams and passes signal to a processor that also receives signals...
...Title Terms: **PAPER** ;

 18/3,K/12   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013380814   **Image available**
WPI Acc No: 2000-552752/200051
XRPX Acc No: N00-409180
  Individual input signature authentication procedure for credit card identification, involves comparing difference estimated between preset signature template and input handwriting information, with preset threshold
Patent Assignee: MATSUMOTO T (MATS-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2000215312 A   20000804 JP 9914545   A   19990122 200051 B

Priority Applications (No Type Date): JP 9914545 A 19990122
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2000215312 A   20 G06T-007/00

Abstract (Basic):
...   tablet surface by electron pen is compressed to obtain information regarding position of nib and **pressure** applied by **pen** on tablet surface. Using evaluation function (D1), the difference between compressed handwritten information and signature...
...   The **figure** shows the method of **measuring** angle formed by pen on **paper** .

 18/3,K/13   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent.WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

010716274   **Image available**
WPI Acc No: 1996-213229/199622
XRPX Acc No: N96-178659
  Pen point behaviour detection method with bidirectional pager for data input in e.g. computer - by converting detected signal into electrical signal which contains data regarding orientation of pen in holding position which suitably corresponds to where pressure is applied
Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001   Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 8076914   A   19960322 JP 94211148   A   19940905 199622   B

Priority Applications (No Type Date): JP 94211148 A 19940905
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 8076914   A   13 G06F-003/033

...Abstract (Basic): hand in three axial directions which suitably
   correspond with the elastic bending deformation near the **pen** point
   where **pressure** is applied...
...USE/ADVANTAGE - For e.g. restaurant, hospital, which transfers data
   manually. Inputs data on **paper** and computer simultaneously since pen
   is provided with ink cartridge and processor. Does not need...

...section naturally since axial direction of pen is automatically
   determined by sensor. Improves accuracy in **recognising** character or
   pattern since fine motion of pen point is reliably determined.
   Switching of various kinds of ink...

 18/3,K/14   **(Item 11 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

009658775   **Image available**
WPI Acc No: 1993-352326/199345
XRPX Acc No: N93-271749
   Data card transaction terminal for data card e.g. credit card
   transactions - has embossed character reader and magnetic strip reader
   with separate signature capture   device , **and circuit responsive to**
   card flag for communicating transaction information
Patent Assignee: MICROBILT CORP (MICR-N); NAT BANCARD CORP (NABA-N)
Inventor: BRADY M; CAVICCHI P R; CHOUDHURI K S; DEPEW T W; EVANS J C;
   FRIEDMAN S K; HAMILTON J H; KLIGFELD E G; KRAHE H B; LINEY T J; MORTON M
   A; NAIR P B; NOBLETT P W; PHILMON G A; PRICE J F; STILLS J T; TURNER L J;
   VOGT D T; VOGHT D T
Number of Countries: 002   Number of Patents: 005
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
CA 2086572   A   19930711 CA 2086572   A   19921231 199345   B
US 5357563   A   19941018 US 92820401   A   19920110 199441
                                US 9379501   A   19930617
US 5404000   A   19950404 US 92820401   A   19920110 199519
                                US 9379517   A   19930618
US 5428210   A   19950627 US 92820401   A   19920110 199531
US 5479530   A   19951226 US 92820401   A   19920110 199606
                                US 9385618   A   19930630

Priority Applications (No Type Date): US 92820401 A 19920110; US 9379501 A
   19930617; US 9379517 A 19930618; US 9385618 A 19930630
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
CA 2086572   A   233 G07F-007/08
US 5357563   A   80 H04M-011/00   Div ex application US 92820401
US 5404000   A   80 G06K-007/00   Div ex application US 92820401
US 5428210   A   90 G06K-015/20
US 5479530   A   75 G06K-009/00   Div ex application US 92820401

... has embossed character reader and magnetic strip reader with separate signature capture device **, and circuit responsive to card flag for communicating transaction information**

...Abstract (Basic): data card during a card transaction. The embossed character reader employs a tactile imager and **pattern recognition** for **detecting** the embossed characters on the data card. A signature capturing printer prints a **paper** receipt, which is signed by a cardholder at a signature capturing window on the printer...

...Abstract (Equivalent): A signature **capturing device** for **capturing** a signature applied to a receipt, comprising...

...signature signal output means for providing signature signals as an output from said signature **capturing device**, said signature signals comprising said stroke count signal and for each for each stroke of...

...data card during a card transaction. The embossed character reader uses a tactile imager and **pattern recognition** to **detect** the embossed characters on the data card...

...The signature capturing printer prints a **paper** receipt, which is signed by a cardholder at a signature capturing window on the printer ...

...data card during a card transaction. The embossed character reader employs a tactile imager and **pattern recognition** for **detecting** the embossed characters on the data card. A signature capturing printer prints a **paper** receipt, which is signed by a cardholder at a signature capturing window on the printer...

...reading capability. Chargeback protection. Allows to bypass merchant when dealing with retrieval requests. Reduction in **paper** transaction receipts held by merchants. Error checking facilities. High confidence in validity of given data...

?

Set	Items	Description
S1	15474	CAPTUR????(3N)(DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??)(3N)PEN???
S2	20239	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR ID-ENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)(-GEOMET??????)
S3	953	(WRITI?? OR WRITT????)(3N)PAD??
S4	765598	PAPER??
S5	72791	ANSWER???
S6	130037	QUESTION?? OR QUESTIONNAIR????
S7	14	AU=(TUNNEY W? OR TUNNEY, W?)
S8	20	S2(35N)(S1 OR S3)
S9	0	S8(35N)(S4 OR S5 OR S6)
S10	0	S2(35N)S3
S11	31	S1(S)S2
S12	3	S11(S)(S4 OR S5 OR S6)

01171049   **Image available**
DEVICES AND ASSAYS FOR MONITORING/MEASURING CELLULAR DYNAMICS TO CREATE SUBJECT PROFILES FROM PRIMARY CELLS
DISPOSITIFS ET DOSAGES POUR SURVEILLER/MESURER LES DYNAMIQUES CELLULAIRES EN VUE DE CREER DES PROFILS SUJETS A PARTIR DE CELLULES PRIMAIRES
Patent Applicant/Assignee:
  SURFACE LOGIX INC, 50 Soldiers Field Place, Brighton, MA 02135, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  KIRK Gregory L, 23 Jefferson Road, Winchester, MA 01890, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KIM Enoch, 321 Dartmouth Street., #27, Boston, MA 02116, US, US
    (Residence), US (Nationality), (Designated only for: US)
  OSTUNI Emanuele, 175 Fayette Street, Watertown, MA 02472, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SCHUELLER Olivier, 19 Highland Avenue., #1, Somerville, MA 02143, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SWEETNAM Paul, 47 Gregory Street, Marblehead, MA 01945, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  LAVENUE Teresa (et al) (agent), Kenyon & Kenyon, 1500 K street N. W.,
    Suite 700, Washington, DC 20005-1257, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200492322 A2-A3 20041028 (WO 0492322)
  Application: WO 2004US11454 20040414   (PCT/WO US04011454)
  Priority Application: US 2003462315 20030414
Designated States:
(All protection types applied unless otherwise stated - for applications 2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 74056

Fulltext Availability:
  Detailed Description

Detailed Description
... various embodiments of test devices that may be used to monitor
  chemotaxis. However, disadvantageously, the **devices** in Jarnagin et al.
  can not be easily sealed or assembled or peeled and disassembled...for
  example, be accomplished by: (1) contacting the stamp with a piece of
  lint-free **paper** moistened with the ink; (2) pouring the ink directly
  onto the stamp or; (3) applying...

00909145   **Image available**

PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED DESPECKLING MECHANISMS PROVIDED THEREIN

SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME DE DECHATOIEMENT INTEGRE

Patent Applicant/Assignee:
  METROLOGIC INSTRUMENTS INC, 90 Coles Road, Blackwood, NJ 08012, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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    (Residence), US (Nationality), (Designated only for: US)
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    , US (Nationality), (Designated only for: US)
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    (Residence), US (Nationality), (Designated only for: US)
  BLAKE Robert, 762 Fairview Avenue, Woodbury Heights, NJ 08097, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SVEDAS William, 515 Longwood Avenue, Deptford, NJ 08096, US, US
    (Residence), US (Nationality), (Designated only for: US)
  DEFONEY Shawn, 331 Fay Ann Court, Runnemede, NJ 08078, US, US (Residence)
    , US (Nationality), (Designated only for: US)
  SKYPALA Edward, 1501 Old Blackhorse Pike, Suite 0-2, Blackwood, NJ 08012,
    US, US (Residence), US (Nationality), (Designated only for: US)
  VATAN Pirooz, 5122 Lexington Ridge Drive, Lexington, MA 02421, US, US
    (Residence), US (Nationality), (Designated only for: US)
  DOBBS Russell Joseph, 4 Grass Road, Cherry Hill, NJ 08034, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KOLIS George, 5037 Jackson Avenue, Pennsauken, NJ 08110, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SCHMIDT Mark C, 1659 Woodland Drive, Williamstown, NJ 08094, US, US
    (Residence), US (Nationality), (Designated only for: US)
  YORSZ Jeffrey, 24 Fells Road, Winchester, MA 01890, US, US (Residence),
    US (Nationality), (Designated only for: US)
  GIORDANO Patrick A, 1501 Little Gloucester Road, Apartment #U-40,
    Blackwood, NJ 08012, US, US (Residence), US (Nationality), (Designated
    only for: US)
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Fulltext Availability:
    Claims

Claim
... 3A;
    Fig. 31 is a schematic representation of a hand-supportable bar code
    symbol reading **device**
    embodying the PLUM-based system of Fig. 3A;
    Fig. 3JI is a schematic representation of of the field of view of the
    image formation and **detection** module as the planar laser illumination
    beams are swept through the
    3-D scanning region...particular capabilities of the Data Element
    Queuing, Handling and Processing Subsystem thereof in response to
    answers provided during system configuration process; Fig. 10C is a flow
    chart illustrating the steps involved...

...the PLHM-based subsystem extend, thereby providing a region of space
    into which an optional **device** can be mounted for carrying out a
    speckle-pattern noise reduction solution in accordance
    with...thereof, thereby reducing the RMS power of the speckle-noise
    patterns observe at the image **detection** array. As shown in Fig. IMB,
    the reflective phase-modulation disc 404, while spatially-modulating...

...generated per each photo-integration time interval of the image
    detection array can be experimentally **determined** without undue
    experimentation. However, for a particular degree of speckle-noise power
    reduction, it is...

00408908
SOLID PHASE TYRPHOSTIN LIBRARY LINKED TO MATRICES WITH MEMORIES
BANQUE DE TYRPHOSTINE EN PHASE SOLIDE LIEE A DES MATRICES A MEMOIRES
Patent Applicant/Assignee:
  IRORI,
  XIAO Xiao-Yi,
  SHI Shuhao,
  PARANDOOSH Zahra,
  NOVA Michael P,
Inventor(s):
  XIAO Xiao-Yi,
  SHI Shuhao,
  PARANDOOSH Zahra,
  NOVA Michael P,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9749653 A2 19971231
  Application: WO 97US11035 19970624 (PCT/WO US9711035)
  Priority Application: US 9620706 19960624; US 96711426 19960905; US
     96709435 19960906; US 96723423 19960930
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
  IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
  PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW
  SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
  IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 86387

Fulltext Availability:
  Detailed Description

Detailed Description
... a
  multiplicity of applications, including for combinatorial synthesis,
  isolation
  and purification of the target compounds, **capture** and detection of
  macromolecules for analytical purposes, high throughput screening.

  The compounds may be prepared...the matrix combination, can be
  identifiably
  tagged by programming the memory with data corresponding to **identifying**
  information and, thus, can be sorted by reading the memories.

  Programming and reading the memory...to an associated but
  remote memory, such as a computer or even a piece of **paper** . The
  computer stores the bar code that a identifies a matrix particle or other
  code...

  ...associated with each unique identifier in the
  memory, such as the computer or piece of **paper** . Thus, in the remote
  memory the original amino acid linked to particle A is stored stored even
  on **paper** . The system depicted in FIGURE
  20 is ideal for use in these methods. Polypropylene or...illumination
  with light at a
  wavelength corresponding to the absorption of the intermediate state in
   question results in regeneration of the BR state. In addition, the BR
  state and

intermediates exhibit...

?

```
File    9:Business & Industry(R) Jul/1994-2005/Jun 17
           (c) 2005  The Gale Group
File   15:ABI/Inform(R) 1971-2005/Jun 16
           (c) 2005 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2005/Jun 17
           (c) 2005 The Gale Group
File   20:Dialog Global Reporter 1997-2005/Jun 17
           (c) 2005 The Dialog Corp.
File   47:Gale Group Magazine DB(TM) 1959-2005/Jun 17
           (c) 2005 The Gale group
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           (c) 2005 The Gale Group
File   80:TGG Aerospace/Def.Mkts(R) 1982-2005/Jun 17
           (c) 2005 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2005/Jun 17
           (c) 2005 The Gale Group
File   98:General Sci Abs/Full-Text 1984-2004/Dec
           (c) 2005 The HW Wilson Co.
File  112:UBM Industry News 1998-2004/Jan 27
           (c) 2004 United Business Media
File  141:Readers Guide 1983-2005/Dec
           (c) 2005 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2005/Jun 16
           (c)2005 The Gale Group
File  160:Gale Group PROMT(R) 1972-1989
          .(c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2005/Jun 17
           (c) 2005 The Gale Group
File ·264:DIALOG Defense Newsletters 1989-2005/Jun 16
           (c) 2005 The Dialog Corp.
File  484:Periodical Abs Plustext 1986-2005/Jun W2
           (c) 2005 ProQuest
File  553:Wilson Bus. Abs. FullText 1982-2004/Dec
           (c) 2005 The HW Wilson Co
File  570:Gale Group MARS(R) 1984-2005/Jun 17
           (c) 2005 The Gale Group
File  608:KR/T Bus.News. 1992-2005/Jun 17
           (c)2005 Knight Ridder/Tribune Bus News
File  620:EIU:Viewswire 2005/Jun 16
           (c) 2005 Economist Intelligence Unit
File  613:PR Newswire 1999-2005/Jun 17
           (c) 2005 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2005/Jun 16
           (c) 2005 The Gale Group
File  623:Business Week 1985-2005/Jun 16
           (c) 2005 The McGraw-Hill Companies Inc
File  624:McGraw-Hill Publications 1985-2005/Jun 16
           (c) 2005 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2005/Jun 16
           (c) 2005 San Jose Mercury News
File  635:Business Dateline(R) 1985-2005/Jun 16
           (c) 2005 ProQuest Info&Learning
File  636:Gale Group Newsletter DB(TM) 1987-2005/Jun 17
           (c) 2005 The Gale Group
File  647:CMP  Computer Fulltext 1988-2005/May W5
           (c) 2005 CMP Media, LLC
File  696:DIALOG Telecom. Newsletters 1995-2005/Jun 16
           (c) 2005 The Dialog Corp.
File  674:Computer News Fulltext 1989-2005/Jun W2
           (c) 2005 IDG Communications
File  810:Business Wire 1986-1999/Feb 28
```

Set	Items	Description
S1	28600	CAPTUR????(3N)(DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??)(3N)PEN???
S2	324602	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)(-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	2903	(WRITI?? OR WRITT????)(3N)PAD??
S4	4223928	PAPER??
S5	3565106	ANSWER???
S6	7095411	QUESTION?? OR QUESTIONNAIR????
S7	27	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1(25N)S2(25N)S3(25N)S4(25N)(S5 OR S6)
S9	116	(S1 OR S3)(25N)S2
S10	1	S9(25N)(S5 OR S6)
S11	0	S1(25N)S2(25N)S3
S12	1	S2(25N)S3
S13	1	S12 NOT S10
S14	115	S1(25N)S2
S15	1	S14(25N)(S5 OR S6)
S16	0	S15 NOT (S12 OR S10)
S17	55	S14(25N)S4
S18	19	RD (unique items)
S19	16	S18 NOT PY>2003
S20	16	S19 NOT (S12 OR S10)
S21	4111	S2(25N)S4
S22	133	S21(25N)(S5 OR S6)
S23	0	S22(25N)(S1 OR S3)
S24	0	S7 AND S2
S25	15259	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR IDENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)GEOMET???????
S26	8	S25(25N)(S1 OR S3)
S27	5	RD (unique items)
S28	5	S27 NOT (S12 OR S10)

10/3,K/1   **(Item 1 from file: 160)**
DIALOG(R)File 160:Gale Group PROMT(R)

02021574
Dead-eye detector foils forgers in any language
Asian Wall Street Journal   September 19, 1988   p. 8
ISSN: 0191-0132

    Cadix (Japan) is offering a system that can accurately **detect** forged
signatures. It analyzes the   **shape**   of the script and the amount of
 pressure   applied by the **pen** , and compares the signature in **question**
to signatures stored in its memory. The comparison takes just 0.5 sec. The
user...
?

13/3,K/1   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02657741   SUPPLIER NUMBER: 94029553   (USE FORMAT 7 OR 9 FOR FULL TEXT)
It's a grand day for Microsoft's Tablet PC's first public
  outing.(Microsoft's Tablet PC graphics tablet)(Software Review)(Brief
  Article)(Product/Service Evaluation)
Doyle, Eric
Computer Weekly, 36
Nov 7, 2002
DOCUMENT TYPE: Product/Service Evaluation Brief Article   ISSN:
0010-4787   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1162   LINE COUNT: 00092

...   store it in its original raw state. So far, it sounds like a
standard paper **writing   pad** but the electronic nature of the system
means that writing can be **pattern** -matched to **find** words even in
handwritten form. Scribble "storage" on the screen and the search engine
will seek out all words that look similar. A searchable **writing   pad** is
really something new.
     At the heart of the tablet is the operating system and...
?

20/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02384733 128973991
Mutating thumbs
Baker, Glenn
New Zealand Management v49n5 PP: 16 Jun 2002
ISSN: 1174-5339 JRNL CODE: MNZ
WORD COUNT: 558 .

...TEXT: and sketches digital. A pattern, almost invisible to the naked
eye, is printed onto ordinary **paper** . A **digital** **pen** reads the **pattern**
 and can thereby **determine** its position and copy the pen movement. The
information can then, via a Bluetooth communication...

20/3,K/2   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09721986   Supplier Number: 84893552 (USE FORMAT 7 FOR FULLTEXT) .
Initial Products and Services Enabling Anoto Functionality Launched by Sony
  Ericsson, Vodafone, 3M and Esselte.
Business Wire, p2236
April 18, 2002
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 773

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** . A **digital** **pen** enabling Anoto
functionality reads the **pattern** and can thereby **determine** its' position
and copy the pen movement. The information can then via a Bluetooth(TM...

20/3,K/3   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09628158   Supplier Number: 83758366 (USE FORMAT 7 FOR FULLTEXT)
Logitech and Anoto Join Forces to Introduce Pen and Paper to the PC
  Platform.
Business Wire, p2186
March 14, 2002
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1014

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** . A **digital** **pen** enabling Anoto
functionality reads the **pattern** and can thereby **determine** its' position
and copy the pen movement. The information can then via a Bluetooth(TM...

20/3,K/4   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09275994   Supplier Number: 80732723 (USE FORMAT 7 FOR FULLTEXT)

C Technologies' subsidiary Anoto Initiates Collaboration with ReadSoft to Develop Tools to Convert Handwritten Notes.
Business Wire, p2013
Dec 12, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 933

...   sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper** . A **digital**   **pen**   enabling Anoto functionality reads the **pattern** and can thereby **determine**   its' position and copy the pen movement. The information can then via a Bluetoothtm communication...

 20/3,K/5   (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09272623   Supplier Number: 80706385 (USE FORMAT 7 FOR FULLTEXT)
Anoto, Subsidiary of C Technologies, Initiates Collaboration With Groupe Hamelin, the Largest Paper Converting Company in Europe.
Business Wire, p2009
Dec 11, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 760

...   sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper** . A **digital**   **pen**   enabling Anoto functionality reads the **pattern** and can thereby **determine**   its' position and copy the pen movement. The information can then via a Bluetoothtm communication...

 20/3,K/6   (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09128631   Supplier Number: 79544304 (USE FORMAT 7 FOR FULLTEXT)
C Technologies to Acquire Anoto and Implement a New Share Issue Raising Approximately USD 45 Million -SEK 450 Million-.
Business Wire, p2328
Oct 30, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1255

...   sketches digital. A pattern, almost invisible to the naked eye, is printed on to ordinary **paper** . A **digital**   **pen**   enabling Anoto functionality reads the **pattern** and can thereby **determine**   its' position and copy the pen movement. The information can then via a Bluetooth(TM...

 20/3,K/7   (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09128198   Supplier Number: 79533020 (USE FORMAT 7 FOR FULLTEXT)
C Technologies To Acquire Anoto and Implement a New Share Issue Raising SEK

450 Million.
Business Wire, p0003
Oct 30, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1253

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** . A **digital**   **pen** enabling Anoto
functionality reads the **pattern** and can thereby **determine** its' position
and copy the pen movement. The information can then via a Bluetoothtm
communication...

   20/3,K/8   (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09015843   Supplier Number: 78549613   (USE FORMAT 7 FOR FULLTEXT)
C Technologies' subsidiary Anoto signs MoU with PenMex to establish the
  Anoto concept in Latin America.
Business Wire, p0628
Sept 24, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 651

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** . A **digital**   **pen** enabling Anoto
functionality reads the **pattern** and can thereby **determine** its' position
and copy the pen movement. The information can then via a Bluetooth(tm...

   20/3,K/9   (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09015839   Supplier Number: 78549609   (USE FORMAT 7 FOR FULLTEXT)
C Technologies' subsidiary Anoto is provided with 60 million USD in
  financing.
Business Wire, p0623
Sept 24, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 743

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** . A **digital**   **pen** enabling Anoto
functionality reads the **pattern** and can thereby **determine** its' position
and copy the pen movement. The information can then via a Bluetooth(tm...

   20/3,K/10   (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

09011828   Supplier Number: 78522872   (USE FORMAT 7 FOR FULLTEXT)
C Technologies' Subsidiary Anoto is Provided With SEK 600 Million in
  Financing; C Technologies' subsidiary Anoto signs MoU with PenMex to
  establish the Anoto concept in Latin America.

Business Wire, p0077
Sept 24, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 995

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** . A **digital   pen** enabling Anoto
functionality reads the **pattern** and can thereby **determine** its' position
and copy the pen movement. The information can then via a Bluetoothtm
communication...

  20/3,K/11   (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

08037337   Supplier Number: 66867961 (USE FORMAT 7 FOR FULLTEXT)
Pen and Paper Go Digital for the 21st Century; World's First
  Bluetooth-Internet Capable Digital Pen and Paper Become Reality.
PR Newswire, pNA
Nov 13, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 941

...   writing, the digital camera takes a picture 100 times each second.
Each picture contains the **pattern** information needed to **determine** the
exact position on the grid. The positions create a **digital** trail of the
pen 's movements on the digital notepad **paper** . The Bluetooth-technology
enables the information to be transferred to a mobile phone, a laptop...

  20/3,K/12   (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06248788   Supplier Number: 54068653 (USE FORMAT 7 FOR FULLTEXT)
Biometric Basics.(Technology Information)
Randall, Neil
PC Magazine, p193(1)
April 6, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 2060

...   recognition systems, also called dynamic signature verification
systems, go far beyond simply looking at the **shape** of a signature: They
measure both the distinguishing features of the signature and the
distinguishing features of the process of signing. These features include
pen   pressure , speed, and the points at which the pen is lifted from the
paper . These behavioral patterns are captured through a specially designed
pen or tablet (or both) and...

  20/3,K/13   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

32367406 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Enterprise - The writing's on the wall for paper and pen.
COMPUTING, p26
November 20, 2003
JOURNAL CODE: WCOM   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 660

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...   chipping away for years at an alternative approach, which is the
basis for Digital Filofax.   **Paper**   sheets are printed with a faint
background **pattern** of dots which are **recognised** by a tiny camera in
the body of a compatible **digital**   **pen** , which not only improves the
accuracy of the image stored, but tells the computer what...

20/3,K/14   (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

26998282   (USE FORMAT 7 OR 9 FOR FULLTEXT)
U. Pennsylvania: High-tech pen makes U.S. debut at U. Penn conference
Christine Hsu
UNIVERSITY WIRE
January 12, 2002
JOURNAL CODE: WUWI   LANGUAGE: English . RECORD TYPE: FULLTEXT
WORD COUNT: 438

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...   consists of a revved-up pen housing its own tiny camera and sensors
and   ordinary **paper**   encoded with miniscule **patterns** , which are
recognized by the pen.
     Wireless technology then transmits information from the **digital**   **pen**
  to a computer or other desired digital destination. The image appearing
on the computer screen...

20/3,K/15   (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

18965422   (USE FORMAT 7 OR 9 FOR FULLTEXT)
**C TECHNOLOGIES: C Technologies' subsidiary Anoto is provided with 60
  million USD in financing**
M2 PRESSWIRE
September 24, 2001
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 729

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...   sketches digital. A pattern, almost invisible to the naked eye, is
printed on to ordinary **paper** .
     A **digital**   **pen** enabling Anoto functionality reads the **pattern** and
can thereby **determine**   its' position . and copy the pen movement. The
information can then via a Bluetooth(tm...

20/3,K/16   (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

17078102
The write stuff
Aparisim Ghosn
ABIX - AUSTRALASIAN BUSINESS INTELLIGENCE   (TIME AUSTRALIA) , p98
June 04, 2001
JOURNAL CODE: WTAS   LANGUAGE: English   RECORD TYPE: ABSTRACT
WORD COUNT: 84

Anoto is a Swedish company that manufactures **digital   pens** in
mid-2001. Each "Chatpen" contains a microscopic infrared camera that
 recognises the **patterns** written on digital **paper** . A receiver sends
the information to a mobile telephone. The message is then forwarded to...
?

28/3,K/1   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2005 The Gale Group. All rts. reserv.

02814357 Supplier Number: 25324688   (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Digital security: fingerprint recognition devices gain in popularity for
  authenticating users. (Buyers Guide)**

Government Computer News, v 21, n 23, p 48(2)
August 12, 2002
DOCUMENT TYPE: Journal; Industry Overview ISSN: 0738-4300 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1989

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
Biometrics covers such technologies as fingerprint, voice, iris, facial,
hand **geometry** and even handwriting and signature **recognition** , the
latter involving the angle and **pressure** with which a **pen** or stylus is
used.

But the overwhelming majority of current biometric applications make use of
...

 28/3,K/2   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 The Dialog Corp. All rts. reserv.

26622436   (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Research and Markets Ltd: Biometrics Industry, Strategies & Forecasts 2001
   2006**
M2 PRESSWIRE
December 16, 2002
JOURNAL CODE: WMPR   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1875

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   security.
     Biometric   security   applications   are based on semiconductor or
optically based direct contact fingerprint image **capture   devices** . Other
methods of biometric identification include retinal blood vessel or iris
pattern **recognition** , hand **geometry**   **recognition** , voice pattern
 recognition , and facial structure.
     Proprietary algorithms and customizable application software suites
represent a primary industry trend...

 28/3,K/3   (Item 1 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2005 The HW Wilson Co. All rts. reserv.

04856342   H.W. WILSON RECORD NUMBER: BRGA02106342   (USE FORMAT 7 FOR
FULLTEXT)
Homeland Insecurity.
AUGMENTED TITLE: B. Schneier
Mann, Charles C.
Atlantic Monthly (1993) v. 290 no2 (Sept. 2002) p. 81-3, 86-8, 90, 92-6,

98, 100-2
WORD COUNT: 11497

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
...   alternatives, some of them already mentioned: fingerprint readers,
voiceprint recorders, retina or iris scanners, face- **recognition** devices,
hand- **geometry** assayers, even signature-geometry analyzers, which register
 pen   pressure and writing speed as well as the appearance of a
signature.
       Appealingly, biometrics lets people...

 28/3,K/4   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

14884187   SUPPLIER NUMBER: 90465629   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Digital security: fingerprint recognition devices gain in popularity for
  authenticating users. (Buyers Guide).**
Kellner, Mark A.
Government Computer News, 21, 23, 48(2)
August 12, 2002
ISSN: 0738-4300   . LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 2109   LINE COUNT: 00259

...   software authentication technologies," he said.
       Biometrics covers such technologies as fingerprint, voice, iris,
facial, hand **geometry** and even handwriting and signature **recognition** ,
the latter involving the angle and **pressure** with which a **pen** or stylus
is used.
       But the overwhelming majority of current biometric applications make
use of...

 28/3,K/5 ́   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)   .
(c) 2005 The Gale Group. All rts. reserv.   .

05458974   ̇ Supplier Number: 96431413 (USE FORMAT 7 FOR FULLTEXT)
Biometrics Industry, Strategies & Forecasts: 2001-2006.
M2 Presswire, pNA
Jan 14, 2003
Language: English   Record Type: ·Fulltext
Document Type: Newswire; Trade
Word Count: 2170

...   security.
       Biometric security applications are based on semiconductor or
optically based direct contact fingerprint image **capture   devices** . Other
methods of biometric identification include retinal blood vessel or iris
pattern **recognition** , hand **geometry   recognition** , voice pattern
recognition , and facial structure.
       ·Proprietary algorithms and customizable application software suites
represent a primary industry trend...
?

```
File    2:INSPEC 1969-2005/Jun W1
          (c) 2005 Institution of Electrical Engineers
File    6:NTIS 1964-2005/Jun W1
          (c) 2005 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2005/Jun W1
          (c) 2005 Elsevier Eng.  Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W2
          (c) 2005 Inst for Sci Info
File   35:Dissertation Abs Online 1861-2005/May
          (c) 2005 ProQuest Info&Learning
File   62:SPIN(R) 1975-2005/Apr W1
          (c) 2005 American Institute of Physics.
File   65:Inside Conferences 1993-2005/Jun W2
          (c) 2005 BLDSC all rts. reserv.
File   92:IHS Intl.Stds.& Specs. 1999/Nov
          (c) 1999 Information Handling Services
File   94:JICST-EPlus 1985-2005/Apr W4
          (c)2005 Japan Science and Tech Corp(JST)
File   95:TEME-Technology & Management 1989-2005/May W2
          (c) 2005 FIZ 'TECHNIK
File   99:Wilson Appl. Sci & Tech Abs 1983-2005/May
          (c) 2005 The HW Wilson Co.
File  144:Pascal 1973-2005/Jun W1
          (c) 2005 INIST/CNRS
File  239:Mathsci 1940-2005/Jul
          (c) 2005 American Mathematical Society
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
          (c) 1998 Inst for Sci Info
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
          (c) 2002 The Gale Group
File  603:Newspaper Abstracts 1984-1988
          (c)2001 ProQuest Info&Learning
File  483:Newspaper Abs Daily 1986-2005/Jun 07
          (c) 2005 ProQuest Info&Learning
File  248:PIRA 1975-2005/May W5
          (c) 2005 Pira International

Set     Items    Description
S1       3727    CAPTUR????(3N)(DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-
                 AL??)(3N)PEN???
S2      94061    (DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR ID-
                 ENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)(-
                 GEOMET??????)
S3        186    (WRITI?? OR WRITT????)(3N)PAD??
S4    6443334    PAPER??
S5     289042    ANSWER???
S6    1276836    QUESTION?? OR QUESTIONNAIR????
S7          5    AU=(TUNNEY W? OR TUNNEY, W?)
S8         19    S2 AND (S1 OR S3)
S9         10    RD (unique items)
S10         3    S9 AND (S4 OR S5 OR S6)
S11         0    S7 AND S2
?
```

10/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

8251651   INSPEC Abstract Number: A2005-05-8770H-003, B2005-02-7520C-101,
C2005-03-7330-056
   Title: **Dynamic, three-dimensional optical tracking of an ablative laser
beam**
   Author(s): Gebhart, S.C.; Jansen, E.D.; Galloway, R.L.
   Author Affiliation: Dept. of Biomed. Eng., Vanderbilt Univ., Nashville,
TN, USA
   Journal: Medical Physics   vol.32, no.1   p.209-20
   Publisher: AIP for American Assoc. Phys. Med,
   Publication Date: Jan. 2005 Country of Publication: USA
   CODEN: MPHYA6 ISSN: 0094-2405
   SICI: 0094-2405(200501)32:1L.209:DTDO;1-G
   Material Identity Number: M190-2005-001
   U.S. Copyright Clearance Center Code: 0094-2405/2005/32(1)/209/12/$22.50
   Language: English
   Subfile: A B C
   Copyright 2005, IEE

   ...Abstract: cutting of midinfrared lasers through image-guided
neurosurgery can greatly enhance tumor margin resection. This **paper**
describes a feasibility study designed to optically track in
three-dimensional space the articulated arm...

   ...surgical carbon dioxide laser. Crosstalk between the ablative laser beam
and the tracking diodes was **measured** . The **geometry** of the adapted laser
handpiece was characterized to track an externally attached passive tip and
...

   ... or-0.92 mm, respectively, and were equivalent to the errors tracking a
24-IRED **pen** probe from Northern **Digital** in a side-by-side comparison.
The majority of error during ablation tracking derived from...

10/3,K/2   (Item 2 from file: 2)
DIALOG(R)File   2:INSPEC

7846788   INSPEC Abstract Number: B2004-03-6135E-027, C2004-03-5260B-076
   Title: **An approach to extracting the target text line from a document
image** captured **by a** pen **scanner**
   Author(s): Zhen-Long Bai; Qiang Huo
   Author Affiliation: Comput. Sci. & Inf. Syst. Dept., Hongkong Univ., Hong
Kong, China
   Conference Title: Proceedings Seventh International Conference on
Document Analysis and Recognition   Part vol.1   p.76-80 vol.1
   Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
   Publication Date: 2003 Country of Publication: USA   2 vol.xxiv+1279
pp.
   ISBN: 0 7695 1960 1   Material Identity Number: XX-2003-02840
   U.S. Copyright Clearance Center Code: 0-7695-1960-1/03/$17.00
   Conference Title: Proceedings Seventh International Conference on
Document Analysis and Recognition
   Conference Sponsor: TC10 (Graphics Recognition) and TC11 (Reading Syst.)
of the Int. Assoc. Pattern Recognition (IAPR)
   Conference Date: 3-6 Aug. 2003   Conference Location: Edinburgh, UK
   Language: English

Title: An approach to extracting the target text line from a document image captured **by a** pen **scanner**

Abstract: In this **paper** , we present a new approach to extracting the target text line from a document image **captured** by a **pen** scanner. Given the binary image, a set of possible text lines are first formed by...

...by text line merging and adding the missed CCs. The possible target text line is **identified** by using a **geometric** feature based score function and fed to an OCR engine for character recognition. If the...

... above approach is confirmed by experiments on a testing database consisting of 117 document images **captured** by C- **Pen** and ScanEye pen scanners.

10/3,K/3   (Item 1 from file: 144)
DIALOG(R)File 144:Pascal

12988952   PASCAL No.: 97-0268625
The enhancement of color image data captured using single chip CCD arrays
Image and video processing IV : San Jose CA, 1-2 February 1996
SCHMITZ B E; STEVENSON R L
STEVENSON Robert L, ed; SEZAN M Ibrahim, ed
Laboratory for Image and Signal Analysis, Department of Electrical Engineering, University of Notre Dame, Notre Dame, IN 46556, United States
International Society for Optical Engineering, Bellingham WA, United States.
Image and video processing. Conference, 4 (San Jose CA USA) 1996-02-01
Journal: SPIE proceedings series, 1996, 2666 97-106
Language: English

!harge coupled devices (CCDs) are commonly used in image **capture devices** to measure color information. A common inexpensive imaging device will use a single chip CCD...

... in the individual color planes causing artifacts such as blurry edges and false coloring. This **paper** proposes an algorithm for enhancing color image data which was captured with typical single chip...

... well to reduce, and often eliminate, the visible artifacts in this type of color image **capture device** .

English Descriptors: Image processing; Noisy image; Color image; Refining; Modeling; Edge **detection** ; Computational **geometry** ; Deterministic model ; Filtering; Posterior probability; Stochastic process; Optimization; Algorithm; Matrix calculus; Bayes estimation

French Descriptors: Traitement image; Image bruitee; Image couleur; Raffinage; Modelisation; **Detection** contour; **Geometrie** algorithmique; Modele **deterministe** ; Filtrage; Probabilite a posteriori; Processus stochastique; Optimisation; Algorithme; Calcul matriciel; Estimation Bayes; Gaussian image model...

Spanish Descriptors: Procesamiento imagen; Imagen sonora; Imagen color; Refinacion; Modelizacion; Deteccion contorno; **Geometria** computacional;

Modelo **determinista** ; Filtrado; Probabilidad a posteriori; Proceso
estocastico; Optimizacion; Algoritmo; Calculo de matrices; Estimacion
Bayes

Set	Items	Description
S1	9693	CAPTUR????(3N)(DEVIC?? OR PEN???) OR (PRESSUR???? OR DIGIT-AL??)(3N)PEN???
S2	193897	(DETECT??? OR DETERMIN???? OR DISCOVER??? OR FIND??? OR ID-ENTIF?????? OR CALCULAT??? OR MEASUR??? OR RECOGN??????)(5N)(-SHAPE?? OR CONTOUR?? OR FIGURE?? OR PATTERN??)
S3	478	(WRITI?? OR WRITT????)(3N)PAD??
S4	224269	PAPER??
S5	38279	ANSWER???
S6	114111	QUESTION?? OR QUESTIONNAIR????
S7	6	AU=(TUNNEY W? OR TUNNEY, W?)
S8	0	S1(S)S2(S)S3(S)S4(S)(S5 OR S6)
S9	327	(S1 OR S3)(S)S2
S10	24	S9(S)(S5 OR S6)
S11	2	S1(S)S2(S)S3
S12	1	S11 NOT S10
S13	8	S2(S)S3
S14	5	S13 NOT (S11 OR S10)
S15	321	S1(S)S2
S16	23	S15(S)(S5 OR S6)
S17	0	S16 NOT (S11 OR S10 OR S14)
S18	46	S15(S)S4
S19	29	S18 NOT (S11 OR S10 OR S14)
S20	30	S15(20N)S4
S21	19	S20 AND S19
S22	1	S7 AND S2
S23	0	S22 NOT (S11 OR S10 OR S14 OR S19)

10/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01869083
Method for printing digital documents
Verfahren zum Drucken digitaler Dokumente
Procede d''impression de documents numeriques
PATENT ASSIGNEE:
   Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
      Houston, TX 77070, (US), (Applicant designated States: all)
INVENTOR:
   Mackenzie, Andrew, Calle Rosellon 157-159, Atico 1a, 08036 Barcelona,
      (ES)
   Bartolome, Emiliano, Cl Erizana 7 - 2A, 36393 Sabaris-Baiona, Pontevedra,
      (ES)
   Bonner, Matt, 3803 NE Hassalo Street, Portland, OR 97232, (US)
   Combe, Jean-Michel, 24c rue Montroux, 38420 Domene, (FR)
   Gonzalez, Manuel, Maspons 1, 2o 1a, 08012 Barcelona, (ES)
LEGAL REPRESENTATIVE:
   Leadbetter, Benedict et al (92641), Hewlett-Packard Espanola, S.L., Legal
      Department, Avda Graells, 501, 08190 Sant Cugat del Valles, (ES)
PATENT (CC, No, Kind, Date): EP 1515263 A2 050316 (Basic)
APPLICATION (CC, No, Date):   EP 2004104289 040906;
PRIORITY (CC, No, Date): US 661001 030910
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
   HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06K-015/00; G06F-003/00; G06K-011/00
ABSTRACT WORD COUNT: 61
NOTE:
   Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A   (English) 200511   817
      SPEC A   (English) 200511   12208
Total word count - document A   13025
Total word count - document B   0
Total word count - documents A + B   13025

...SPECIFICATION PREFERRED EMBODIMENTS
    Referring to Figure 1 a printed "digital" document 100 for use in a
   digital   pen and paper system comprises a carrier 102 in the form of a
   single sheet of...
...identifying markings printed on some parts of it to form areas 107 of a
   position- **identifying   pattern** 108. This background markings are
   referred to as "pattern" in this text. Also printed on...

...use of the document. In this case an example of a very simple two-page
   questionnaire is shown, and the content includes a number of boxes 110,
   112 which can be...

10/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01752676

Systems and methods for secure transaction management and electronic rights
    protection
Systeme und Verfahren zur gesicherten Transaktionsverwaltung und
    elektronischem Rechtsschutz
Systemes et procedes de gestion de transactions securisees et de protection
    de droits electroniques
PATENT ASSIGNEE:
  ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway,
    Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)
INVENTOR:
  Ginter, Karl L., 10404 43rd Avenue, Beltsville Maryland 20705, (US)
  Shear, Victor H., 5203 Battery Lane, Bethesda Maryland 20814, (US)
  Spahn, Francis J., 2410 Edwards Avenue, El Cerrito California 94530, (US)
  van Wie, David M., 1250 Lakeside Drive, Sunnyvale California 94086, (US)
LEGAL REPRESENTATIVE:
  Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane,
    London WC2A 1JQ, (GB)
PATENT (CC, No, Kind, Date): EP 1431864 A2 040623 (Basic)
                              EP 1431864 A3 050216
APPLICATION (CC, No, Date):   EP 2004075701 960213;
PRIORITY (CC, No, Date): US 388107 950213
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
  NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
  EP 861461 (EP 96922371)
INTERNATIONAL PATENT CLASS: G06F-001/00; G06F-017/60
ABSTRACT WORD COUNT: 151
NOTE:
  Figure number on first page: 77

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200426	1450
SPEC A	(English)	200426	166929
Total word count - document A			168379
Total word count - document B			0
Total word count - documents A + B			168379

  10/3,K/3   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01162442
Voice control input for portable capture devices
Sprachgesteuertes Eingabegerat fur tragbare Erfassungseinrichtungen
Dispositif d'entree a commande vocale pour appareils de saisie portatifs
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
    California 94304, (US), (Applicant designated States: all)
INVENTOR:
  Oliver, Thomas C., 1742 Barnwood Dr., Fort Collins, CO 80525, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann & Stockeler
    Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1014338 A1 000628 (Basic)
APPLICATION (CC, No, Date):   EP 99115485 990805;
PRIORITY (CC, No, Date): US 219970 981223
DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G10L-015/26
ABSTRACT WORD COUNT: 167
NOTE:
    Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   200026   1205
     SPEC A   (English)   200026   5108
Total word count - document A   6313
Total word count - document B   0
Total word count - documents A + B 6313

...SPECIFICATION FIG. 3.
    FIG. 5 shows a generalized flow chart for executing a command by the
capture   device of the present invention. One skilled in the art will
recognize that the order of...

...Referring now to FIG. 5, step 500 accesses the set of instructions
linked to the **recognition   pattern** matching the voice control input
command received in step 302. Step 502 determines if the set of
instructions begins with a time delay instruction. If the **answer** is
yes, then in step 504 the time delay instruction is executed, suspending
further execution...

 10/3,K/4   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00951596
METHOD AND DEVICE FOR DETECTION OF DEPOSIT VALUE INDICIA
VERFAHREN UND EINRICHTUNG ZUR FESTSTELLUNG VON PFANDWERTANZEIGEN
**PROCEDE ET DISPOSITIF DE DETECTION D'INSCRIPTIONS RELATIVES A UNE VALEUR DE
    CONSIGNE**
PATENT ASSIGNEE:
  Tomra Systems ASA, (2471030), Drengsrudhagen 2, 1370 Asker, (NO),
    (Proprietor designated states: all)
INVENTOR:
  SIVERTSEN, Ronald, Vabraten 50, N-1392 Vettre, (NO)
  NORDBRYHN, Andreas, Nilserudkleiva 12a, N-0874 Oslo, (NO)
LEGAL REPRESENTATIVE:
  Onn, Thorsten et al (23893), Zacco Sweden AB P.O. Box 23101, 104 35
    Stockholm, (SE)
PATENT (CC, No, Kind, Date):   EP 932877 A1   990804 (Basic)
                               EP 932877 B1   030521
                               WO 98018099 980430
APPLICATION (CC, No, Date):   EP 97944233 971020; WO 97NO278   971020
PRIORITY (CC, No, Date): NO 964507 961023
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI
INTERNATIONAL PATENT CLASS: G06K-007/14; B07C-005/342
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; Norwegian
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS B   (English)   200321   1062

```
       CLAIMS B    (German)  200321      885
       CLAIMS B    (French)  200321     1285
       SPEC B      (English) 200321     2199
Total word count - document A             0
Total word count - document B          5431
Total word count - documents A + B     5431
```

...SPECIFICATION for the issue of a deposit receipt or direct payment of a deposit sum.
   When **recognising** the **shape** of the bottle 6, the means 3, together with the signal processor 4 in the...

...the vertical direction is generally known, the area in elevation where the bottle cap in **question** is expected to be will as a rule be easy to compute. Consequently, the processing...

...location of a section representative of the deposit value indicia 12 in the television image **captured** by the **device** 1.
   The bottles 6 are transported by means of a conveyor 7 from an insertion...

10/3,K/5   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01216321   **Image available**
PRINTING DIGITAL DOCUMENTS
IMPRESSION DE DOCUMENTS NUMERIQUES
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
     Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
     designated states except: US)
Patent Applicant/Inventor:
  GONZALEZ Manuel, Maspons 1, 2o 1a, E-08012 Barcelona, ES, ES (Residence),
     ES (Nationality), (Designated only for: US)
  MACKENZIE Andrew, Calle Rosellon 157-159, Atico 1a, E-08036 Barcelona, ES
     , ES (Residence), GB (Nationality), (Designated only for: US)
  RUEDA Eric, Mas du Buisson, F-38760 Saint Paul de Varces, FR, FR
     (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
     Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200524617 A2-A3 20050317 (WO 0524617)
  Application: WO 2004EP52085 20040908 (PCT/WO EP04052085)
  Priority Application: GB 200321167 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English

Fulltext Word Count: 8053

Detailed Description
... DESCRIPTION OF THE PREFERRED EMBODIMENTS
  Referring to Figure I a document 100 for use in **digital   pen** and paper
  system comprises a carrier 102 in the form of a single sheet of...

...identifying markings printed on some parts of it to form areas 107 of a
  position- **identifying   pattern** 108. These background markings are
  referred to as "pattern" in this text. Also printed on...

...use of the document. In this case an
  example of a very simple two-page **questionnaire** is shown, and the
  content includes a number of boxes 110, 112 which can be...

10/3,K/6   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216294   **Image available**
ERASING MARKINGS IN DIGITAL PEN AND PAPER SYSTEMS
MARQUAGES D'EFFACAGE DANS DES SYSTEMES PLUME ET PAPIER NUMERIQUES
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  BROUHON Patrick, 214 Chemin des Reposes, F-38410 Saint Martin d'Uriage,
    FR, FR (Residence), FR (Nationality), (Designated only for: US)
  COMBE Jean-Michel, 24c rue Montroux, F-38420 Domene, FR, FR (Residence),
    FR (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200524544 A2 20050317 (WO 0524544)
  Application: WO 2004EP51941 20040827 (PCT/WO EP04051941)
  Priority Application: GB 200321175 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12196

Detailed Description
... EMBODIMENTS OF THE
INVENTION
Referring to Figure 1 a document 100 for use in a **digital   pen** and
paper
system comprises a carrier 102 in the form of a single sheet of...

...markings 106 printed on some parts of it to form areas 107 of a position
 identifying   pattern 108. Also printed on the paper 104 are further
markings 109 which are clearly visible...use of the document. In this
-case an example of a very simple two page **questionnaire** is shown, and
the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has
completed the **questionnaire** to initiate a document completion process
by
which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various
boxes 110, 112, 118, 120. The position **identifying   pattern** 108 is
only
printed onto the parts of the form which the user is expected...

 10/3,K/7   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01216293   **Image available**
A DATA STRUCTURE FOR AN ELECTRONIC DOCUMENT AND RELATED METHODS
STRUCTURE DE DONNEES POUR DOCUMENT ELECTRONIQUE, ET PROCEDES ASSOCIES
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  ALBARRAN Miguel Angel, Paseo Fabra i Puig 301-303 Stico 1, E-08031
    Barcelona, ES, ES (Residence), ES (Nationality), (Designated only for:
    US)
  MACKENZIE Andrew, Calle Rosellon 157-159, Atico 1a, E-08036 Barcelona, ES
    , ES (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200525204 A1 20050317 (WO 0525204)
  Application: WO 2004EP51940 20040827 (PCT/WO EP04051940)
  Priority Application: GB 200321171 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE. LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English

Filing Language: English
Fulltext Word Count: 7253

Fulltext Availability:
  Detailed Description

Detailed Description
... THE PREFERRED EMBODIMENTS
  Referring to Figure I a digital document 100 for use in a **digital   pen**
  and paper system comprises a carrier 102 in the form of a single sheet of
  paper 104 with position identifying markings 106 printed on some parts of
  it to define **pattern** areas 107 of a position **identifying   pattern**
  108. Also printed
  on the paper 104 are further markings 109 which are clearly visible...

...use of the document. In this case an example of a very simple two
  page **questionnaire** is shown, and the content includes a number of boxes
  110, 112 which can be...

...a send box 122 to be
  checked by the user when he has completed the **questionnaire** to initiate
  a
  document completion process by which pen stroke data is forwarded for
  processing...

...the
  headings or labels 124 for the various boxes 110, 112, 118, 120. The
  position **identifying   pattern** 108 is only printed onto the parts of
  the
  document 100 which the user is...

  10/3,K/8   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01216291   **Image available**
CREATION OF DOCUMENTS WITH POSITION IDENTIFICATION PATTERN
CREATION DE DOCUMENTS AVEC MOTIF D'IDENTIFICATION DE POSITION
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  ALBARRAN Miguel Angel, Paseo Fabra i Puig 301-303 Stico 1, E-08031
    Barcelona, ES, ES (Residence), ES (Nationality), (Designated only for:
    US)
  GONZALEZ Manuel, Maspons 1, 2o 1a, E-08012 Barcelona, ES, ES (Residence),
    ES (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200524701 A2-A3 20050317 (WO 0524701)
  Application: WO 2004EP51938 20040827 (PCT/WO EP04051938)
  Priority Application: GB 200321172 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 10813

Fulltext Availability:
 ·Detailed Description

Detailed Description
... system of Figure 5.

   Referring to Figure 1 a document 100 for use in a **digital pen** and
   paper
   system comprises a carrier 102 in the form of a single sheet of...

...markings 106 printed on some parts of it to form areas 107 of a position
   identifying pattern 108. Also printed on the paper 104 are further
   markings 109 which are clearly visible...

...use of the document. In this case an example of a very simple two page
   questionnaire is shown, and
   the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has
   completed the **questionnaire** to initiate a document completion process
   by
   which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various
   boxes 110, 112, 118, 120. The position **identifying pattern** 108 is
   only
   printed onto the parts of the form which the user is expected...

 10/3,K/9   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01216289   **Image available**
**METHODS, APPARATUS AND SOFTWARE FOR PRINTING LOCATION PATTERN AND PRINTED
    MATERIALS**
**PROCEDES, APPAREIL ET LOGICIEL POUR IMPRIMER UN MODELE D'EMPLACEMENT ET
    MATIERES IMPRIMEES**
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  ENCRENAZ Michel, Calle pelicano, 45, E-08191 Rubi, ES, ES (Residence), FR
    (Nationality), (Designated only for: US)
  LAMMENS Johan, Josep Carner 13/2/1, E-08190 Sant Cugat del Valles,
    Barcelona, ES, ES (Residence), BE (Nationality), (Designated only for:
    US)
Legal Representative:

LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200525201 A2-A3 20050317 (WO 0525201)
  Application: WO 2004EP51935 20040827 (PCT/WO EP04051935)
  Priority Application: GB 200321164 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 30184

Fulltext Availability:
  Detailed Description

Detailed Description
... instructive legends 258, 260, 262 printed on it, and three areas of
  Anoto-type position- **determining   pattern** 264, 266, 268 associated
  with the instructions 258, 260 and 262 respectively. Also printed on...

...asked to trace line 272 across the page. The user
  does these acts using a **digital   pen** , such as the Logitec IOTIVI. When
  the
  user writes on the pattern areas 264, 266, 268 the writing is **captured**
   digitally by the **pen** and sent off-pen to a processor (not shown). The
  user's attempts to fill in the form/ **answer** the **questions** can then be
  assessed by
  software and/or a remote person. Thus the form can...

 10/3,K/10   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01216287   **Image available**
PRINTING OF DOCUMENTS WITH POSITION IDENTIFICATION PATTERN
IMPRESSION DE DOCUMENTS AVEC MOTIF D'IDENTIFICATION DE POSITION
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, TX 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  GONZALEZ Manuel, Maspons 1, 2o 1a, E-08012 Barcelona, ES, ES (Residence),
    ES (Nationality), (Designated only for: US)
  COMBE Jean-Michel, 24c rue Montroux, F-38420 Domene, FR, FR (Residence),
    FR (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200524700 A2-A3 20050317 (WO 0524700)

Fulltext Availability:
  Detailed Description

Detailed Description
... system of Figure 5.

  Referring to Figure I a document 100 for use in a **digital   pen** and
  paper
  system comprises a carrier 102 in the form of a single sheet of...

...markings 106 printed on some parts of it to form areas 107 of a position
  identifying   pattern 108. Also printed on the paper 104 are further
  markings 109 which are clearly visible...

...use of the document. In this case an example of a very simple two page
questionnaire is shown, and
  the content includes a number of boxes 110, 112 which can be...

...a send box 122 to be checked by the user when he has
  completed the **questionnaire** to initiate a document completion process
  by
  which pen stroke data is forwarded for processing...

...the headings or labels 124 for the various
  boxes 110, 112, 118, 120. The position **identifying   pattern** 108 is
  only
  printed onto the parts of the form which the user is expected...

...1 1 8, the comments boxes 120, 121 and
  the send box 122. ,
  Referring to **Figure** 2, the position **identifying   pattern** 108 is made
  up of a number of dots 130 arranged on an imaginary grid...

...example by means of a co-ordinate
  reference, the document and any position on the **patterned** parts of it
  can be **identified** from the **pattern** printed on it. An example of this
  type of pattern
  is described in WO 01/26033. It will be appreciated that other position
  identifying   patterns can equally be used. Some examples of other
  suitable patterns are described in WO 00...

DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01203186   **Image available**
METHOD AND SYSTEM FOR IDENTIFYING MULTIPLE QUESTIONNAIRE PAGES
PROCEDE ET SYSTEME PERMETTANT D'IDENTIFIER DE MULTIPLES PAGES DE QUESTIONNAIRE
Patent Applicant/Assignee:
   SAP AKTIENGESELLSCHAFT, Neurottstrasse 16, 69190 Walldorf, DE, DE
      (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
   TUNNEY William Patrick, 1598 Avenue des Pins O., Montreal, Qu#bec H3G 1B4
      , CA, CA (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
   HAILS Robert L (et al) (agent), Kenyon & Kenyon, 1500 K Street, N.W.,
      Suite 700, Washington, DC 20005-1257, US,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200510659 A2-A3 20050203 (WO 0510659)
   Application: WO 2004US20151 20040623 (PCT/WO US04020151)
   Priority Application: US 2003625596 20030724
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
   AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
   DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
   LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
   RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
   (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
   SE SI SK TR
   (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
   (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5764

Fulltext Availability:
   Detailed Description
   Claims

Detailed Description
...   00111 Embodiments of the present invention provide a simple and
   transparent method to identify multiple **questionnaire** pages. The method
   includes a processor receiving capture data from the **capture device** ,
   where the **capture** data represents writings made on multiple copies of
   paper. The method further includes the processor **detecting** the **shapes**
   of the writings and comparing the **detected shapes** with a plurality of
   shapes stored in memory in association with a logical set. The method
   further includes the processor, upon matching the **detected shapes**
   with the stored **shapes** ,, designating to which copy of the paper each
   matched **detected shape** belongs. Lastly, the method includes the
   processor retrieving from memory the data, e.g., **questionnaire answers**
   , associated with the matched stored shapes, and then storing the
   retrieved data according to its...

...paper. The capture data is advantageously generated by simply using
   pieces of paper and the **capture device** without having to rely on more
   complex, bulky devices with graphical user interfaces.

...for the circle check box. When the processor 220 receives both sets of
coordinates and **detects** the two **shapes** ,, the processor 220
determines that the rectangle and circle belong to the same logical set
and, hence, correspond to...

...having thereon cross marks may be discarded as an incorrect answer and
the filled-in **shape** recorded immediately thereafter may be **identified**
as the correct **answer** . In these instances,, the **capture** **device** 160
records more than one set of marks for the same **question** . The **capture**
device 160 records the set of marks for filling in a shape associated
with a first **answerf** the set of marks for crossing out the first shape,
and the set of marks for filling in a shape associate with a second
answer . Hencef the first shape and the cross marks may be discarded.
[0044] For example,, in...

Claim
... 7,, wherein the mapping includes:
retrieving from memory predefined shapes expected to be on the **capture**
device ;
comparing the indicated **shapes** to the predefined **shapes** ;
determining which of the predefined **shapes** match the indicated
shapes ;
determining on which page each of the indicated shapes belongs based on
the
match; and
storing the **questionnaire** **answers** corresponding to the **determined**
predefined **shapes** on the **determined** pages.

16 The method of claim 15, further including:
receiving an identification of the paper...

 10/3,K/12   **(Item 8 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01070612   **Image available**
SYSTEM FOR DETERMINING SATELLITE RADIO LISTENER STATISTICS
**SYSTEME D'ETABLISSEMENT DE STATISTIQUES SUR LES AUDITEURS DE RADIOS PAR
    SATELLITE**
Patent Applicant/Assignee:
  IQSTAT INC, 2115 Country Ridge Road, Alpharetta, GA 30004, US, US
    (Residence), US (Nationality)
Inventor(s):
  CERESOLI Carl D, 6560 Darlington Court, Cumming, GA 30040, US,
  LAYMAN Bruce E, 2115 Country Ridge Road, Alpharetta, GA 30004, US,
  EATON Len, 1024 Quaker Ridge Way, Duluth, GA 30097, US,
  STRUGATSKY Mike, 1941 Hillside Bend Crossing, Lawrenceville, GA 30043, US

Legal Representative:
  GRAZIANO James M (et al) (agent), Patton Boggs LLP, P. O. Box 270930,
    Louisville, CO 80027-5015, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 2003101103 A1 20031204 (WO 03101103)
  Application: WO 2003US14823 20030512 (PCT/WO US0314823)
  Priority Application: US 2002382070 20020520; US 2002315911 20021209
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6240

Fulltext Availability:
  Detailed Description

Detailed Description
... .for packets of data. The satellite radio data device 103 queries
  whether a message synchronization **pattern** was **detected** . If the
  answer to this query is no, the satellite radio data device 103
  continues to monitor the modulated connection 156. If the **answer** to the
  query is yes, then in step 308 the satellite radio data **device** 103
  captures the message header, command, data and the terminator of the
  data packet. In this step...

10/3,K/13   **(Item 9 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00993691   **Image available**
METHOD AND SYSTEM OF PROVIDING MEDICAL PRODUCTS
METHODE ET SYSTEME DE DISTRIBUTION DE PRODUITS MEDICAUX
Patent Applicant/Assignee:
  RTIN HOLDINGS INC, 3218 Page Road, Longview, TX 75605, US, US (Residence)
    , US (Nationality)
Inventor(s):
  SOLOW Laurence I, MedEx Systems, Inc., 540 Elmwood Park Blvd., Jefferson,
    LA 70123, US,
  RAU Ann E, MedEx Systems, Inc., 540 Elmwood Park Blvd., Jefferson, LA
    70123, US,
Patent Applicant/Inventor:
  SOLOW Laurence I, MedEx Systems, Inc., 540 Elmwood Park Blvd., Jefferson,
    LA 70123, US, US (Residence), US (Nationality), (Designated only for:
    US)
  RAU Ann E, MedEx Systems, Inc., 540 Elmwood Park Blvd., Jefferson, LA
    70123, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  ETHERTON Sandra L (agent), Etherton Law Group, LLC, P.O. Box 27843,
    Tempe, AZ 85285-7843, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200323681 A1 20030320 (WO 0323681)
  Application: WO 2002US29106 20020913 (PCT/WO US0229106)
  Priority Application: US 2001318973 20010913
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

```
  (EP)  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA)  BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP)  GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA)  AM AZ BY KG KZ MD RU TJ TM
```
Publication Language: English
Filing Language: English
Fulltext Word Count: 9545

Fulltext Availability:
  Claims

Claim
... physicians' queues without Airther authorization, firewalls, secured
   site layers (SSL), and other security I 0 **measures** .
   Figure 6 is an exemplary flowchart schematic of atiother portion of the
   provider system for refilling...step 316, the refill i.nformation is
   captured, In one embodiment, call center personnel or **devices** can
   capture presciiption information from a patient via telephone
   communication. Such information can ...requested either through menus or
   emails. The physician can be infbanned of the request. and **answer** at
   some appropriate the and manner through the provider system as described
   above. The refill...

  10/3,K/14   (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00984073   **Image available**
PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
CARTOUCHE D'IMPRESSION A IDENTIFICATION DE CODE A DEUX DIMENSIONS
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
    Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
    states except: US)
Patent Applicant/Inventor:
  SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (Designated only for: US)
Legal Representative:
  SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200313869 A2-A3 20030220 (WO 0313869)
  Application: WO 2002AU915 20020709 (PCT/WO AU0200915)
  Priority Application: US 2001922159 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
```
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP)  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT·SE SK TR
  (OA)  BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP)  GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA)  AM AZ BY KG KZ MD RU TJ TM
```
Publication Language: English
Filing Language: English
Fulltext Word Count: 142147

Fulltext Availability:
  Detailed Description

Detailed Description
... unit 1 can include an area image sensor 2 which sensors an image 3
   for **captured** by the camera. Optionally, the second area image sensor
   can be provided to also image...

  10/3,K/15   (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

'00984066   **Image available**
A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
CARTOUCHE D'IMPRESSION   COMPORTANT UNE FONCTION D'IDENTIFICATION DES
     CAPTEURS CAPACITIFS
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
     Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
     states except: US)
Patent Applicant/Inventor:
  SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street,
     Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
     (Designated only for: US)
Legal Representative:
  SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling·
     Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200313862 A1 20030220 (WO 0313862)
  Application: WO 2002AU1055 20020806 (PCT/WO AU0201055)
  Priority Application: US 2001922112 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 143013

Fulltext Availability:
  Detailed Description

Detailed Description
... for Read is described in the following table. Note that the
   interpretations of some bit **patterns** are deliberately chosen to aid
   decoding.

  # Bits Description
  2 00 = NOP
  01 = Read

  10/3,K/16   (Item 12 from file: 349)

00984064   **Image available**
A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
CARTOUCHE D'IMPRESSION AVEC IDENTIFICATION D'UNE MATRICE DE COMMUTATEURS
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
    Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
    states except: US)
Patent Applicant/Inventor:
  SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (Designated only for: US)
Legal Representative:
  SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200313860 A1 20030220 (WO 0313860)
  Application: WO 2002AU1053 20020806 (PCT/WO AU02001053)
  Priority Application: US 2001922029 20011022
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 142964

Fulltext Availability:
  Detailed Description

Detailed Description
... process block is described in the following table. Note that the
   interpretations of some bit **patterns** are deliberately chosen to aid
   decoding.

   # Bits Description
   3 000 = NOP
   001 = Shift Left (unsigned...

 10/3,K/17   **(Item 13 from file: 349)**

00984062   **Image available**
IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
APPAREIL D'IMPRESSION D'IMAGES COMPRENANT UNE MICRO-UNITE DE COMMANDE
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
    Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
    states except: US)
Patent Applicant/Inventor:

SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (Designated only for: US)
Legal Representative:
  SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200313858 A1 20030220 (WO 0313858)
  Application: WO 2002AU920 20020709 (PCT/WO AU0200920)
  Priority Application: US 2001922275 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 140412

Fulltext Availability:
  Detailed Description

Detailed Description
... for reading the line above and below the current line. They provide
  the input for **determining** the slope in Y.

  Omni Light@
  In the case of the Omni

 10/3,K/18   (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00909145   **Image available**
**PLANAR   LASER   ILLUMINATION   AND   IMAGING   (PLIIM)   SYSTEMS WITH INTEGRATED
    DESPECKLING MECHANISMS PROVIDED THEREIN**
**SYSTEMES   PLIIM   D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
    DE DECHATOIEMENT INTEGRE**
Patent Applicant/Assignee:
  METROLOGIC INSTRUMENTS INC, 90 Coles Road, Blackwood, NJ 08012, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  TSIKOS Constantine J, 65 Woodstone Drive, Voorhees, NJ 08043-4749, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KNOWLES Carl Harry, 425 East Linden Street, Morrestown, NJ 08057, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ZHU Xiaoxun, 669 Barton Run Boulevard, Marlton, NJ 08053, US, US
    (Residence), CN (Nationality), (Designated only for: US)
  SCHNEE Michael D, 41 Penns Court, Aston, PA 191014, US, US (Residence),
    US (Nationality), (Designated only for: US)
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    (Residence), US (Nationality), (Designated only for: US)
  WIRTH Allan, 358 Concord Road, Bedford, MA 01730, US, US (Residence), US
    (Nationality), (Designated only for: US)

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, US (Nationality), (Designated only for: US)
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BLAKE Robert, 762 Fairview Avenue, Woodbury Heights, NJ 08097, US, US
(Residence), US (Nationality), (Designated only for: US)
SVEDAS William, 515 Longwood Avenue, Deptford, NJ 08096, US, US
(Residence), US (Nationality), (Designated only for: US)
DEFONEY Shawn, 331 Fay Ann Court, Runnemede, NJ 08078, US, US (Residence)
, US (Nationality), (Designated only for: US)
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US, US (Residence), US (Nationality), (Designated only for: US)
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(Residence), US (Nationality), (Designated only for: US)
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(Residence), US (Nationality), (Designated only for: US)
KOLIS George, 5037 Jackson Avenue, Pennsauken, NJ 08110, US, US
(Residence), US (Nationality), (Designated only for: US)
SCHMIDT Mark C, 1659 Woodland Drive, Williamstown, NJ 08094, US, US
(Residence), US (Nationality), (Designated only for: US)
YORSZ Jeffrey, 24 Fells Road, Winchester, MA 01890, US, US (Residence),
US (Nationality), (Designated only for: US)
GIORDANO Patrick A, 1501 Little Gloucester Road, Apartment #U-40,
Blackwood, NJ 08012, US, US (Residence), US (Nationality), (Designated
only for: US)
COLAVITO Stephen J, 3520 Edgewater Lane, Brookhaven, PA 19015-2607, US,
US (Residence), US (Nationality), (Designated only for: US)
WILZ David W Sr, 10 Orion Way, Sewell, NJ 08080, US, US (Residence), US
(Nationality), (Designated only for: US)
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(Residence), US (Nationality), (Designated only for: US)
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(Residence), US (Nationality), (Designated only for: US)
VAN Tassel John E Jr, 8 Arbor Lane, Winchester, MA 01890, US, US
(Residence), US (Nationality), (Designated only for: US)
Legal Representative:
PERKOWSKI Thomas J (et al) (agent), Thomas J. Perkowski, Esq., P.C.,
Soundview Plaza, 1266 East Main Street, Stamford, CT 06902, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200243195 A2-A3 20020530 (WO 0243195)
Application: WO 2001US44011 20011121 (PCT/WO US0144011)
Priority Application: US 2000721885 20001124; US 2001780027 20010209; US
2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US
2001999687 20011031
Parent Application/Grant:
Related by Continuation to: US 2001954477 20010917 (CIP)
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

```
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
```
Publication Language: English
Filing Language: English
Fulltext Word Count: 298301

Fulltext Availability:
  Claims

Claim
... 3A;
  Fig. 31 is a schematic representation of a hand-supportable bar code
  symbol reading **device**
  embodying the PLUM-based system of Fig. 3A;
  Fig. 3JI is a schematic representation of...particular capabilities of
  the Data Element Queuing, Handling and Processing Subsystem thereof in
  response to **answers** provided during system configuration process; Fig.
  10C is a flow chart illustrating the steps involved...

...the PLHM-based subsystem extend,..thereby providing a region of space
  into which an optional **device** can be mounted for carrying out a
  speckle-pattern noise reduction solution in accordance
  with...the system of Fig. 111 IA, the number of substantially different
  time-varying speckle-noise **pattern** samples which need to be generated
  per each photo-integration time interval of the image...

 10/3,K/19   **(Item 15 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00847581   **Image available**
**INTERACTIVE ORTHODONTIC CARE SYSTEM BASED ON INTRA-ORAL SCANNING OF TEETH
SYSTEME DE SOIN ORTHODONTIQUE INTERACTIF BASE SUR L'ANALYSE INTRA-BUCCALE
   DES DENTS**
Patent Applicant/Assignee:
  ORAMETRIX INC, 12740 Hillcrest Road, Suite 100, Dallas, TX 75230, US, US
     (Residence), US (Nationality)
Inventor(s):
  RUBBERT Rudger, Leonhardyweg 41, 12101 Berlin, DE,
  WEISE Thomas, Mehringdamm 91, 10965 Berlin, DE,
  RIEMEIER Friedrich, Thomasiusstrasse 5, 10557 Berlin, DE,
  SACHDEVA Rohit, 2605 Courtside Lane, Plano, TX 75093, US,
  BUTSCHER Werner, Westfalenring 16b, 12207 Berlin, DE,
  GEERDES Hans-Florian, Alt-Moabit 73, 10555 Berlin, DE,
  IMGRUND Hans, Wilhelmshavenerstrasse 25, 10551 Berlin, DE,
  PFEIL Lutz, An der Kolonnade 4, 10117 Berlin, DE,
  SPORBERT Peer, Immanuelkirchstrasse 29, 10405 Berlin, DE,
  KOUZIAN Dimitrij, Schlossstrasse 70, 12165 Berlin, DE,
  LEICHNER Mario, Puschkinallee 95, 16540 Hohen Neuendorf, DE,
  MAETZEL Stephan, Mittenwalder Strasse 7, 10961 Berlin, DE,
  SEE Peter, Wonnichstrasse 111, 10317 Berlin, DE,
  TROEGER Jens, Ebertystrasse 6, 10249 Berlin, DE,
Legal Representative:
  FAIRHALL Thomas A (agent), McDonnell Boehnen Hulbert & Berghoff, 300
     South Wacker, Suite 3200, Chicago, IL 60606, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200180761 A2-A3 20011101 (WO 0180761)
  Application: WO 2001US11969 20010413 (PCT/WO US0111969)
```

Fulltext Availability:
  Claims

Claim
...  this method, first certain shape infonnation of teeth is acquired. A
    uniplanar target archfonn is **calculated** from the **shape** information.
    The **shape** of customized bracket slots, the bracket base, and the shape
    of an orthodontic archw(inverted...digital treatment plan sent to the
    orthodontist for review, interactive modificafion, or approval. Scanners
    are devices for **capturing** and recording inforination from a surface
    of an object. Scanners for obtaining infonnation from a...can also be
    determined. Further, the apparatus provides for simulation of tooth.
    rnovement b(inverted **question** mark)tween current and target stages. ,
    In its broader aspects, the apparatus comprises a workstation...
    registration procedure on the frames, as described below. Since each
    point on the surfa(inverted **question** mark)e of the object is captured
    in a plurality of images (such as five...

...and thereby provide infortuationia to the surface configuration. This
    information as to the surface is **captured** by the imaging **device** as
    two-dimensional images of the reflection pattern. These images are
    proce'ssod,in aecordance...range may still be able to be imaged and
    decoded. Fi rst, the eleictronic imaging **device** 56 **captures** an image
    and the image is subject to the pattem recognition and decoding, steps 80
    ...

...obj ect are also rneasured relative to a virtual plane Z 1. Now, Table 1
    ( **Figure** 26) is referred to **determine** the nun values in the X and Y
    direction for this point in space and...of the scanning work station 16,
    step 86 of Figure 6. This proce9s is '(inverted **question** mark)formed,
    for every ray R , in the projection pattem that is
    p
    -53
    recorded...

...ect being scanned.
    -PFarf'3~. -G an-eratiUn af D i Ofal ]m

@f(inverted **question** mark)@s-s
·A complete three-dimensional model of the patient's dentition can be...

...associated anatomical structure. Refe rring back to Figure 6, the first
step is a pattem **recognition** process on the captured image.' **Figure**
28 is an illustration of the image of **Figure** 27 after pattem
54
 **recognition** and filtering operations have been perfonned. The filtering
operation basically retums a zero pixel value...

...33 is another example of a bitniap image obtained by the electronic
imaging device (inverted **question** mark)f the scanner. Figure·34 is a
planview of the three-dimensional surface obtained...ro-c-e-s-s
dfYe-gi-sfdr-@n-g -one-ftuil@u--t(inverted **question** mark))''another, a
segment registration process 194 to register segments (Le., portions of a
sean...movements in the Z direction do not provide significant new
infonnation on the obj(inverted **question** mark)ct being seanned.
'However, because of the focus optics of the electronic imaging ddvice.·..
of the square root of the sum of the squares of the minimum distance
vectors **calculated** in step 1 (210) of **Figure** 40A, which indicates the
closeriess factor quality of the registration in this iteration, value MA
...

...is chosen as the starting frame for the registration and there is no
transf(inverted **question** mark)rmation matrix for that frame.
63
C. Cumulative Registration of Entire Jaw
As noted...


**10/3,K/20** **(Item 16 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00847100
**ALBUMIN FUSION PROTEINS**
**PROTEINES FUSIONNEES A L'ALBUMINE**
Patent Applicant/Assignee:
  HUMAN GENOME SCIENCES INC, 9410 Key West Avenue, Rockville, MD 20850, US,
    US (Residence), US (Nationality), (For all designated states except:
    US)
  PRINCIPIA PHARMACEUTICAL CORPORATION, 2650 Eisenhower Avenue, Building C,
    Norristown, PA 19403, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  ROSEN Craig A, 22400 Rolling Hill Lane, Laytonsville, MD 20882, US, US
    (Residence), US (Nationality), (Designated only for: US)
  SADEGHI Homayoun, 320 E. Court Street, Doylestown, PA 18901, US, US
    (Residence), US (Nationality), (Designated only for: US)
  PRIOR Christopher P, 460 Wyldhaven Road, Rosemont, PA 19010, US, US
    (Residence), US (Nationality), (Designated only for: US)
  TURNER Andrew John, Apartment C-28, 305 Conestoga Way, Eagleville, PA
    19408, US, US (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
  VAN HORN Charles E (agent), Finnegan, Henderson, Farabow, Garrett &
    Dunner, L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315, US,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200179258 A1 20011025 (WO 0179258)
  Application:         WO 2001US12008 20010412  (PCT/WO US0112008)
  Priority Application: US 2000229358 20000412; US 2000199384 20000425; US

2000256931 20001221
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
   EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
   LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
   TM TR TT TZ UA UG US UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
   (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 113319

Fulltext Availability:
   Detailed Description

Detailed Description
...   in SEQ ID NO: 1 S), is responsible for a significant proportion of the
   osmotic **pressure** of serum and also functions as a carrier of endogenous
   and. exogenous ligands. At present...or 50'C. Data is nonnalized to the
   biological activity of hGH at time zero.

   **Figures** 3A and 3B compare the biological activity of HA-hGH with hGH in
   the Nb2...be fiat such as a sheet, test strip, etc.

   Preferred supports include polystyrene beads(inverted **question** mark)
   Those skilled in the art will know many other suitable carriers for
   binding antibody...may be in aqueous form and may be stored
   68
   under less than ideal (inverted **question** mark)ircurristances without
   significant loss of therapeufic activity.

   Albunun fusion proteins of the invention can...more of the following
   drugs: infliximab (also known as Ren-ucadeTM Centocor, Inc.),
   Trocade(inverted **question** mark)(Roche, RO 3555), Leflunomide (also
   known as AravaTm from Hoechst Marion Roussel), YineretTI (an...group
   consisting of- Vibrio cholerae, Mycobacterium leprae, Salmonella
   typh(inverted exclamation mark), Salmonella paratyph(inverted **question**
   mark) Meisseria meningitidis, Streptocoecus pneumoniae, Group B
   streptocoecus, Shigella spp., Enterotoxigenic Escherichia col(inverted
   exclamation...the invention include, but are not limited to, acute
   rnyelogenous leukemia, chronic rnyelogenous leul(inverted **question**
   mark)emia, Hodgkin's discase, non-Hodgkin's lymphoma, acuie lymphocytic
   anemia (ALL) Chronic lymphocyte...invention, the anti-angiogenic compound
   is administered direaly to the, tumor excision sito (e(inverted
   **question** mark)g., applied by swabbing, brushing or otherwise coating the
   resection margins of the tumor...

   **10/3,K/21       (Item 17 from file: 349)**
   DIALOG(R)File 349:PCT FULLTEXT
   (c) 2005 WIPO/Univentio. All rts. reserv.

   00429994      **Image available**
   **AESTHETIC IMAGING SYSTEM**
   **SYSTEME D'IMAGERIE ESTHETIQUE**
   Patent Applicant/Assignee:

MIRROR SOFTWARE CORPORATION,
Inventor(s):
  LINDFORD Ray A,
  BLANCHARD Perin,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 9820458 A1 19980514
  Application:       WO 97US20394 19971107  (PCT/WO US9720394)
  Priority Application: US 96745574 19961108
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
  IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
  PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
  SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
  LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 21806

Fulltext Availability:
  Claims

Claim
...  each image and its associated checksum value. The routine then returns
   to block 68 of  **FIGURE**  3.
   IL  **Determining**  Authenticity Using Checksum Values
   The checksum value is an addendum to an original stored image...

...unaltered image based upon the addendum value, and the veracity of the
   image is not  **questioned** . This is beneficial to physicians when
   illustrating postsurgical results during lectures or in other teaching...
   image in a manner similar to prior art imaging programs. This mode will
   remain until  **pressure**  on the  **pen**  tip is released. After beginning
   freehand draw mode, the routine loops to block 124. If...simultaneously,
   while rubbing to undo a
   portion of the previous edit; and
   Step N17 release  **pressure**  on the  **pen**  and side
   button, and press the side button to
   return to the main menu.
   From...


  **10/3,K/22**     **(Item 18 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00427636    **Image available**
**METHOD AND DEVICE FOR DETECTION OF DEPOSIT VALUE INDICIA**
**PROCEDE ET DISPOSITIF DE DETECTION D'INSCRIPTIONS RELATIVES A UNE VALEUR DE
    CONSIGNE**
Patent Applicant/Assignee:
  TOMRA SYSTEMS ASA,
  SIVERTSEN Ronald,
  NORDBRYHN Andreas,
Inventor(s):
  SIVERTSEN Ronald,
  NORDBRYHN Andreas,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 9818099 A1 19980430
  Application:       WO 97NO278 19971020  (PCT/WO NO9700278)

Priority Application: NO 96457 19961023
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
   ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
   PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS
   MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR
   IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 3461.

Fulltext Availability:
  Detailed Description

Detailed Description
...  for the
   issue of a deposit receipt or direct payment of a deposit sum

   When **recognising** the **shape** of the bottle 6, the means 3, together
   with the signal processor 4 in the...the vertical direction is generally
   known, the area in elevation where the bottle cap in **question** is
   expected to be will as a rule be easy to compute. Consequently, the
   processing...location of a section representative of the deposit value
   indicia 12 in
   the television image **captured** by the **device** 1

   The bottles 6 are transported by means of a conveyor 7 from an insertion
   ...


 **10/3,K/23      (Item 19 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00234265     **Image available**
**SYSTEM    FOR    DIVIDING    PROCESSING    TASKS    INTO    SIGNAL    PROCESSOR    AND
   DECISION-MAKING MICROPROCESSOR INTERFACING**
**SYSTEME   DE   SEPARATION   DES   TACHES   DE   TRAITEMENT   EN   TACHES   POUR   INTERFACAGE
   AVEC   UN   PROCESSEUR   DE   SIGNAUX   ET   UN   MICROPROCESSEUR   DE   PRISE   DE
   DECISION**
Patent Applicant/Assignee:
  STAR SEMICONDUCTOR CORPORATION,
Inventor(s):
  ROBINSON Jeffrey I,
  ROUSE Keith,·
  KRASSOWSKI Andrew J,
  MONTLICK Terry F,
Patent and Priority Information (Country, Number, Date):
  Patent:            WO 9308524 A1 19930429
  Application:       WO 92US8954 19921014   (PCT/WO US9208954)
  Priority Application: US 91776161 19911015
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AU CA JP KR AT·BE CH DE DK ES FR GB GR IE IT LU MC NL SE
Publication Language: English
Fulltext Word Count: 219172

Fulltext Availability:

Claims

Claim
...  development system of the invention where the SPROC code and
    microprocessor code are compiled separately.  **Figure**  1 1 is a block
    diagram of a low frequency impedance analyzer example entered into...
    gates, etc. to generate data RAM FIFO addresses for the incoming data. As
    shown in  **Figure**  4a, the DFM 600 has three registers 620, 622, 624,
    three counters 630, 632, and...instantiated. For such operands, the
    operand field of the instruction is left zero, and a  **question**  mark (?)
    is placed immediately after. The  **question**  mark indicates that the
    operand value is unknown at this time. On the other hand...

...parameter value has been specified, then this value is used for the
    instruction, and no  **question**  mark is added. Similarly, absolute
    addresses for instruction jumps and relocatable data references cannot be
    ...


 **10/3,K/24**      **(Item 20 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00164699
**STEREOLITHOGRAPHIC BEAM PROFILING**
**PROFILAGE DE FAISCEAU STEREOLITHOGRAPHIQUE**
Patent Applicant/Assignee:
  3D SYSTEMS INC,
Inventor(s):
  SPENCE Stuart Thomas,
  TARNOFF Harry,
  ALMQUIST Thomas,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 8911085 A1 19891116
  Application:         WO 89US1559 19890417   (PCT/WO US8901559)
  Priority Application: US 88830 19880418; US 88816 19881108; US 88837
    19881108; US 88907 19881108; US 88801 19881108
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  JP KR
Publication Language: English
Fulltext Word Count: 292227
?

01066131 **Image available**
A COMBINED WRITING INSTRUMENT AND DIGITAL DOCUMENTOR APPARATUS AND METHOD
OF USE
APPAREIL ET DISPOSITIF D'INSTRUMENT D'ECRITURE ET DE DOCUMENT NUMERIQUE
COMBINES ET PROCEDE D'UTILISATION
Patent Applicant/Inventor:
O'DONNELL Frank E, 709 THE HAMPTONS LANE, TOWN AND COUNTRY, MO 63017, US,
US (Residence), US (Nationality)
Legal Representative:
LANZA John D (agent), Lahive & Cockfield, LLP, 28 State Street, Boston,
MA 02109, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200396321 A1 20031120 (WO 0396321)
Application: WO 2002US32916 20021016 (PCT/WO US02032916)
Priority Application: US 2002142414 20020510
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4885

Fulltext Availability:
Detailed Description

Detailed Description
... hand in the production of documents. Nevertheless,
limitations imposed by the hardware required for such **pen** -based
**digital**
I
document applications have restricted the use and growth of **pen**
based **digital** documents to date. **Pen** -based **digital** document
production heretofore has consisted of grid-type computers with
stylustype writing instruments. Pressure from...
...types of systems are inconvenient, however, because
they necessitate access to the special screen or **pad** . That is, the
**writing** instrument is limited to its application within the system and
cannot be used independently of...

...writing instruments that could
make digital copies of the written document independent of a special
**writing** **pad** or screen include the use of a special paper with a
subtle
**pattern** on it for **recognition** by a sensing means, the Anoto system
(Ericcson Manufacturing, Sweden). This is impractical because it...
?

**14/3,K/1      (Item 1 from file: 348)**

00683377
**Co-ordinate input device**
**Koordinateneingabegerat**
**Dispositif d'entree de coordonnees**
PATENT ASSIGNEE:
  YAMAHA CORPORATION, (404961), 10-1, Nakazawa-cho, Hamamatsu-shi
    Shizuoka-ken, (JP), (Proprietor designated states: all)
INVENTOR:
  Baba, Michiru, c/o Yamaha Corporation, 10-1, Nakazawa-cho, Hamamatsu-shi,
    Shizuoka-ken, (JP)
LEGAL REPRESENTATIVE:
  Geyer, Ulrich F., Dr. Dipl.-Phys. et al (4121), WAGNER & GEYER,
    Patentanwalte, Gewurzmuhlstrasse 5, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 653725   A2   950517 (Basic)
                               EP 653725   A3   960207
                               EP 653725   B1   011010
APPLICATION (CC, No, Date):    EP 94117867 941111;
PRIORITY (CC, No, Date): JP 93309740 931115
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06K-011/18; G06F-003/033
ABSTRACT WORD COUNT: 190
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|---|---|---|---|
| CLAIMS A | (English) | EPAB95 | 201 |
| CLAIMS B | (English) | 200141 | 436 |
| CLAIMS B | (German) | 200141 | 416 |
| CLAIMS B | (French) | 200141 | 492 |
| SPEC A | (English) | EPAB95 | 2551 |
| SPEC B | (English) | 200141 | 2344 |
| Total word count - document A | | | 2752 |
| Total word count - document B | | | 3688 |
| Total word count - documents A + B | | | 6440 |

...SPECIFICATION opto-mechanical mouse having an optical detection means 46
  by which the movements thereof are **detected** by reading a **pattern**
  **written** on a **pad** 40 so as to compute the amounts of movements in X and
  Y directions by...

...SPECIFICATION opto-mechanical mouse having an optical detection means 46
  by which the movements thereof are **detected** by reading a **pattern**
  **written** on a **pad** 40 so as to compute the amounts of movements in X and
  Y directions by...


**14/3,K/2      (Item 1 from file: 349)**

01016719      **Image available**
**REAL-TIME DATA ACQUISITION AND STORAGE NETWORK**
**RESEAU D'ACQUISITION ET DE STOCKAGE DE DONNEES EN TEMPS REEL**
Patent Applicant/Assignee:

SYPRIS DATA SYSTEMS INC, 605 E. Huntington Drive, Monrovia, CA 91016-3636
    , US, US (Residence), US (Nationality)
Inventor(s):
  POLAN Jeffrey S, 1 Kingswood Drive, New Hope, PA 18938, US,
  BULLERS William A, 1680 Casa Grande Street, Pasadena, CA 91104, US,
Legal Representative:
  BRINKMAN David H (et al) (agent), Wood, Herron & Evans, L.L.P., 2700
    Carew Tower, Cincinnati, OH 45202, US,
Patent and Priority Information (Country, Number, Date):
  Patent:                 WO 200346735 A2-A3 20030605 (WO 0346735)
  Application:            WO 2002US38004 20021127  (PCT/WO US02038004)
  Priority Application: US 2001334011 20011128; US 2002304900 20021126
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
  SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12410

Fulltext Availability:
  Detailed Description

Detailed Description
  ...  storage device 24 and reads directory and file information as
    described below in connection with **Figure** 14 to **determine**  the
    location to record the data that it is about to receive. Each PAD/NI...
    PAD/NI card 46 was started synchronously by the TCC card 54, the data
    being **written**  by every  **PAD** /NI card 46 has simultaneously matching
    embedded time stamps with 1 0 nanosecond granularity. The very first byte
    of data  **written**  by each  **PAD** /NI card 46 on its assigned storage
    device 24 was input to the PAD/NI...


  **14/3,K/3      (Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00984065      **Image available**
**A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION**
**CARTOUCHE D'IMPRESSION AVEC IDENTIFICATION D'UNE MATRICE DE CAPTEURS DE**
    **PRESSION**
Patent Applicant/Assignee:
  SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South
    Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
    states except: US)
Patent Applicant/Inventor:
  SILVERBROOK KIA, Silverbrook Research Pty Ltd, 393 Darling Street,
    Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
    (Designated only for: US)
Legal Representative:
  SILVERBROOK KIA (agent), Silverbrook Research Pty Ltd, 393 Darling
    Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):

Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 142580

Fulltext Availability:
  Detailed Description


Detailed Description
...  This simply involves writing setup information required for Phase 2.  ·

  This can be achieved by **writing** Os to all the Arow and Acolumn entries
  for each row, and a bit history...centroid updating mechanism is achieved
  by simply performing step 3 of Phase 2.
  Phase 2 - **Detect** bit **pattern** from Artcard based on pixels read, and
  write as bytes.

  Since a dot from the...


 **14/3,K/4      (Item 3 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
.(c) 2005 WIPO/Univentio. All rts. reserv.

00515379     **Image available**
**METHODS FOR PERFORMING DAF DATA FILTERING AND PADDING**
**PROCEDES  DE MISE EN OEUVRE D'UN FILTRAGE ET D'UN REMPLISSAGE DE DONNEES DE**
     **FONCTIONS DAF**
Patent Applicant/Assignee:
  THE UNIVERSITY OF HOUSTON SYSTEM,
  IOWA STATE UNIVERSITY,
Inventor(s):
  HOFFMAN David K,
  KOURI Donald J,
  GUNARATNE Gemunu H,
  ARNOLD Mark E,
  ZHANG DeSheng,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 9946731 A1 19990916
  Application: ·       WO 99US5426 19990312  (PCT/WO US9905426)
  Priority Application: US 9877860 19980313
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
  HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
  NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM
  KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES

Fulltext Availability:
  Detailed Description

Detailed Description
... is always zero irrespective of functional values.

The suitability of using Hermite DA-Fs to **pad** two isolated data sets has been tested for fitting one dimensional potential energy surfaces [8 ...values. Impulse noise seriously affects the performance of various signal processing techniques, e.g., edge **detection** , data compression, and **pattern** **recognition** . One of the tasks of image processing is to restore a high quality image from...Engr., Submitted.

T. Sun and Y. Neuvo, "Detail-preserving median based filters -in image processing," **Pattern** **Recognition** Letter, Vol. 15, pp. 341-347, 1994.

R. Sucher, "Removal of impulse noise by selective...

...corrupted by noise that seriously affects theperfonnance of various signal processing techniques, data compression, and **pattern** **recognition** . The goal of noise filtering is to suppress the noise while preserving the integrity of...1, pp. 13
T. Sun, Y. Neuvo, "Detail-preserving median based filters in image processing," **Pattern** **Recognition** Letter, Vol. 15, pp 347, April 1994.

1 0 R. Sucher, "Removal of impulse noise...in long distance consultation, image storage and retrieval, and for the possible development of ; automatic **detecting** expert systems. **Figure** 2(a) is an original 1024xl024 side-view breast image which was obtained from the...and zeros. Impulse noise seriously affects the performance of various signalprocessing techniques, e.g. edge **detection** , data compression, and **pattern** **recognition** . A median filter is the commonly used nonlinear technique for impulse noise removal.

Assume we...pp 506.
[12] T. Sun, Y. Neuvo, "Detail-preserving median based filters in image processing," **Pattern** **Recognition** Letter, Vol. 1 5, pp 347, April 1994.

[13] T. D. Tran, R. S afranek...and wavelet, as well as their biorthogonal. dual scaling function and wavelet, are shown in **Figure** 1 We **find** that the cutoff Sine has decreased regularity, which is manifested by a fractal-like behavior...Restoration", to be published.

DISTRIBUTED APPROXIMATING FUNCTIONAL WAVELET NETS
INTRODUCTION
For real-world signal processing, **pattern** **recognition** and system. identification, information extraction from a noisy background is the fundamental objective. To obtain...for curve evolution, segmentation and anisotropic diffusion," in {
it IEEE Proc. Conf. Computer Vision - and- **Pattern** **Recognition** ), San Francisco, CA, Jun. 1996, pp. 136
S. T. Acton, "Edge enhancement of infrared imagery...

00406196     **Image available**
**DIGITAL DATA PROCESSING METHODS AND APPARATUS FOR FAULT ISOLATION**
**PROCEDES ET DISPOSITIF DE TRAITEMENT DE DONNEES NUMERIQUES POUR L'ISOLATION
    DE DEFAUTS**
Patent Applicant/Assignee:
  STRATUS COMPUTER,
Inventor(s):
  LEAVITT William I,
  CLEMSON Conrad R,
  SOMERS Jeffrey S,
  CHAVES John M,
  BARBERA David R,
  CLAYTON Shawn A,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 9746941 A1 19971211
  Application:         WO 97US9781 19970605  (PCT/WO US9709781)
  Priority Application: US 96658563 19960605
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 116410

Fulltext Availability:
  Detailed Description

Detailed Description
... the address to a system address and sends it to the CPU via the 1BUS.

  **Figure** 16 illustrates the address re-mapping for the 32 bit address
  mode used by Jetta...

21/3,K/1     (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01907980

**Location patterns and method and apparatus for generating such patterns**
**Lokalisierungsmuster und Verfahren und Vorrichtung zur Erzeugung solcher**
**    Muster**
**Motifs de localisation et methode et dispositif de generation de tels**
**    motifs**
PATENT ASSIGNEE:
  Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
    Houston, TX 77070, (US), (Applicant designated States: all)
INVENTOR:
  Nelson, Terry, 10930 Mohawk Dr., Boise, ID, 83709, (US)
  Gonzalez, Manuel, Maspons 1, 2o 1a, 08012, Barcelona, (ES)
LEGAL REPRESENTATIVE:
  Leadbetter, Benedict (92642), Hewlett-Packard Espanola, S.L., Legal
    Department, Avda Graells, 501, 08174 Sant Cugat del Valles, Barcelona,
    (ES)
PATENT (CC, No, Kind, Date):  EP 1538550 A2  050608 (Basic)
APPLICATION (CC, No, Date):   EP 2004104164 040831;
PRIORITY (CC, No, Date): US 660324 030910
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06K-015/02; G06F-003/033; G06K-001/12;
  B41J-002/175; B41J-002/21
ABSTRACT WORD COUNT: 56
NOTE:
  Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|---|---|---|---|
| CLAIMS A | (English) | 200523 | 926 |
| SPEC A | (English) | 200523 | 7273 |
| Total word count - document A | | | 8199 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 8199 |

...SPECIFICATION Techniques for allowing a user to modify and print, on
  demand, documents which have position **identifying  pattern** on them for
  use with a **digital  pen** and **paper** system are more fully described
  co-pending British patent application No. 0321168.7, incorporated by...

21/3,K/2     (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01869082

**Method and apparatus for generating images**
**Verfahren und Vorrichtung zur Bilderzeugung**
**Procede et dispositif de generation d'images**
PATENT ASSIGNEE:
  Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
    Houston, TX 77070, (US), (Applicant designated States: all)
INVENTOR:
  BROUHON, Patrick, 214 Chemin des Reposes, 38410 Saint Martin d'Uriage,

(FR)
GOLDSTEIN, Ira, 790 Strawberry Hill Road, Concord MA 01742, (US)
LEGAL REPRESENTATIVE:
  Leadbetter; Benedict (92642), Hewlett-Packard Espanola, S.L., Legal
    Department, Avda Graells, 501, 08174 Sant Cugat del Valles, Barcelona,
    (ES)
PATENT (CC, No, Kind, Date):  EP 1515265  A2  050316 (Basic)
                              EP 1515265  A3  050427
APPLICATION (CC, No, Date):   EP 2004104288 040906;
PRIORITY (CC, No, Date): US 661000 030910
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06K-015/02; G06F-003/033; G06K-001/12
ABSTRACT WORD COUNT: 56
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language    Update      Word Count
      CLAIMS A   (English)   200511         677
      SPEC A     (English)   200511        4791
Total word count - document A             5468
Total word count - document B                0
Total word count - documents A + B        5468

...SPECIFICATION 1, a document 2 according to an embodiment of the
  invention for use in a **digital   pen** and **paper** system comprises a
  carrier 3 in the form of a single sheet of **paper** 4 with position
  identifying markings 5 printed on some parts of it. The markings 5, which
  are not shown to scale in **Figure** 1, form a position **identifying
  pattern** 6 on the document 2. Also printed on the **paper** 4 are further
  markings 7 which are clearly visible to a human user of the...


  **21/3,K/3      (Item 3 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01869073
**Location patterns and method and apparatus for generating such patterns**
**Lokalisierungsmuster  und  Verfahren  und Vorrichtung zur Erzeugung solcher
    Muster**
**Motifs  de  localisation  et  methode  et  dispositif de generation de tels
    motifs**
PATENT ASSIGNEE:
  Hewlett-Packard Development Company, L.P., (4337790), 20555 S.H. 249,
    Houston, TX 77070, (US), (Applicant designated States: all)
INVENTOR:
  Nelson, Terry, 10930 Mohawk Dr., Boise, ID 83709, (US)
LEGAL REPRESENTATIVE:
  Leadbetter, Benedict et al (92641), Hewlett-Packard Espanola, S.L., Legal
    Department, Avda Graells, 501, 08190 Sant Cugat del Valles, (ES)
PATENT (CC, No, Kind, Date):  EP 1515264  A2  050316 (Basic)
APPLICATION (CC, No, Date):   EP 2004104163 040831;
PRIORITY (CC, No, Date): US 660323 030910
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06K-015/02; G06F-003/033; G06K-001/12
ABSTRACT WORD COUNT: 79
NOTE:
   Figure number on first page: 6


LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language     Update      Word Count
      CLAIMS A  (English)    200511        1065
      SPEC A    (English)    200511        6965
Total word count - document A             8030
Total word count - document B                0
Total word count - documents A + B        8030


   ...SPECIFICATION Techniques for allowing a user to modify and print, on
   demand, documents which have position **identifying** **pattern** on them for
   use with a **digital** **pen** and **paper** system are more fully described
   co-pending British patent application No. 0321168.7, incorporated by...


   **21/3,K/4      (Item 4 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01756108
**Personal funds metering system and method**
**Zahlsystem fur persohnliches Guthaben und zugehoriges Verfahren**
**Systeme de comptage pour des fonds personnels et procede associe**
PATENT ASSIGNEE:
   PITNEY BOWES INC., (244964), One Elmcroft Road, Stamford, CT 06926-0700,
      (US), (Applicant designated States: all)
INVENTOR:
   Leung, Alan, 77 Columbia Street Apt.19L, New York NY 10002, (US)
   Rojas, John W., 197 East Avenue, Norwalk CT 06855, (US)
   Norris,, James R., Jr., 46 Kenosia Avenue Apt. 31, Danbury CT 06810, (US)
   Coffy, Jean-Hiram, 104 Bouton Street, Norwalk CT 06854, (US)
   Parkos, Arthur, 125 Hemlock Ridge Road, Southbury CT 06488, (US)
   Braun, John, 338 Reef Road, Fairfield CT 06824, (US)
   Leung, Wendy Chui Fen, 31-38, 51st Street Apt. 44, Woodside NY 11377,
      (US)
LEGAL REPRESENTATIVE:
   HOFFMANN - EITLE (101511), Patent- und Rechtsanwalte Arabellastrasse 4,
      81925 Munchen, (DE)
PATENT (CC, No, Kind, Date):  EP 1435593  A2  040707 (Basic)
APPLICATION (CC, No, Date):   EP 2003029851 031224;
PRIORITY (CC, No, Date): US 248249 021230
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
   HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: G07B-017/02
ABSTRACT WORD COUNT: 69
NOTE:
   Figure number on first page: 1


LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language     Update      Word Count
      CLAIMS A  (English)    200428         379
      SPEC A    (English)    200428        3609
Total word count - document A             3988
Total word count - document B                0

Total word count - documents A + B    3988

...SPECIFICATION pay for the postage, the postal authority would process
the letter and deactivate the stamp.
    **Digital    pen**  systems such as the Sony-Ericsson CHA-30 Chatpen
utilize Anoto **paper**  available from Anoto AB of Sweden. The Anoto **paper**
 includes a grid for encoding information such as position information
that is detected by the Chatpen. Additionally, other scanners may be used
to **detect**  the **pattern**  and decode the **pattern**  to obtain an
**identifier** . A Chatpen or other scanning device such as a scanning
enabled PDA available from Symbol...


**21/3,K/5      (Item 5 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01726298
**Handwritten character input device, program and method**
**Vorrichtung, Programm und Verfahren zur handschriftlichen Zeicheneingabe**
**Dispositif, logiciel et procede d'entree de caracteres manuscrits**
PATENT ASSIGNEE:
  Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101-8010, (JP), (Applicant designated States: all)
INVENTOR:
  Furukawa, Naohiro, Hitachi, Ltd., Intellect.Prop., Group, 5-1, Marunouchi
    1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Ikeda, Hisashi, Hitachi, Ltd., Intellect. Property, Group, 5-1,
    Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Sako, Hiroshi, Hitachi, Ltd., Intellect. Property, Group, 5-1, Marunouchi
    1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Tazawa, Naoko, Hitachi, Ltd., Intellect. Property, Group, 5-1, Marunouchi
    1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
    Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1416426  A2  040506 (Basic)
APPLICATION (CC, No, Date):   EP 2003003428 030214;
PRIORITY (CC, No, Date): JP 2002316983 021031
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO
INTERNATIONAL PATENT CLASS: G06K-009/22; G06F-003/033
ABSTRACT WORD COUNT: 189
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text  Language   Update    Word Count
      CLAIMS A  (English)  200419       840
      SPEC A    (English)  200419      6775
Total word count - document A         7615
Total word count - document B            0
Total word count - documents A + B    7615

...SPECIFICATION handwriting input devices, there are known not only a
  tablet and a stylus, but also **paper** printed with a **pattern**  for
  position **detection**  and an electronic pen provided with a camera **device**
   for **capturing**  an image of this pattern during writing. The example

here uses **paper** having a print for position detection and an electronic
pen. The National Publication No. 01...

...the electronic pen. The reference numeral 101 represents an electronic
pen, and 102 a camera **device** to **capture** a position **detection**
**pattern** image printed on **paper** . Small dots 104 are slightly displaced
from the grid and are printed on **paper** 103. Each dot is printed with
vertical or horizontal displacement from a given intersecting point...

...absolute position information on a vast plane area. The camera 102
attached to the electronic **pen** **captures** an image within a range
including the dots patterns. This makes it possible to specify...


**21/3,K/6      (Item 6 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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01342679
**METHOD AND SYSTEM FOR CONFIGURING AND UNLOCKING AN ELECTRONIC READING
    DEVICE**
**VERFAHREN UND SYSTEM ZUR KONFIGURATION UND ZUM DEBLOCKIEREN EINER
    ELEKTRONISCHEN VORRICHTUNG**
**PROCEDE ET SYSTEME POUR CONFIGURER ET DEVERROUILLER UN DISPOSITIF DE
    LECTURE ELECTRONIQUE**
PATENT ASSIGNEE:
  Telefonaktiebolaget L M Ericsson (Publ), (213764),   , 126 25 Stockholm,
    (SE), (Proprietor designated states: all)
INVENTOR:
  HOLLSTROM, Magnus, Filippavagen 6A, S-222 41 Lund, (SE)
  TILLGREN, Magnus, Ostra Farmvagen 42B, S-214 41 Malmo, (SE)
  OLSSON, Patrik, Borringegatan 6C, S-217 72 Malmo, (SE)
  BORGSTROM, Anders, V. Gyeholmsvagen 17A, S-239 32 Skanor, (SE)
  GARDENFORS, Torbjorn, Kornettsgatan 24A, S-211 50 Malmo, (SE)
LEGAL REPRESENTATIVE:
  Boesen, Johnny Peder et al (86331), Zacco Denmark A/S Hans Bekkevolds
    Alle 7, 2900 Hellerup, (DK)
PATENT (CC, No, Kind, Date):  EP 1256091 A2  021113 (Basic)
                              EP 1256091 B1  040428
                              WO 2001061635  010823
APPLICATION (CC, No, Date):  EP 2001911625 010209;  WO 2001EP1403  010209
PRIORITY (CC, No, Date): US 182742 P 000216; US 190343 P 000316; US 192662
    P 000328; US 703351 001031; US 703503 001031; US 703321 001031
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-003/033; G06K-011/18
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|---|---|---|---|
| CLAIMS B | (English) | 200418 | 308 |
| CLAIMS B | (German) | 200418 | 284 |
| CLAIMS B | (French) | 200418 | 338 |
| SPEC B | (English) | 200418 | 12727 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 13657 |
| Total word count - documents A + B | | | 13657 |

...SPECIFICATION while the tip 284 of the electronic pen 10 is in contact
with the formatted **paper** 282, a sensor or camera in the electronic pen
10 can **detect** a portion of the address **pattern** adjacent to the
electronic pen 10. The **detected** portion of the address **pattern** can
then be converted, by processing address **pattern** images **detected** by
the sensor or camera, into data identifying: the current position of the
electronic pen...

...tilt angle of 0 to 90 degrees (as indicated at 288); and the amount of
**pressure** between the electronic **pen** tip 284 and the formatted **paper**
282. This data can then be sent to a controlled device at a specified
update...

**21/3,K/7        (Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01216292      **Image available**
**PRINTING DIGITAL DOCUMENTS**
**IMPRESSION DE DOCUMENTS NUMERIQUES**
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  GONZALEZ Manuel, Maspons 1, 2o 1a, E-08012 Barcelona, ES, ES (Residence),
    ES (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200524623 A2-A3 20050317 (WO 0524623)
  Application:         WO 2004EP51939 20040827  (PCT/WO EP04051939)
  Priority Application: GB 200321166 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5869

Fulltext Availability:
  Detailed Description

Detailed Description
...  OF THE PREFFERED EMBODIMENTS
  Referring to Figure I a digital document 100 for use in **digital**    **pen**
  and
   **paper**  system comprises a carrier 102 in the form of a single sheet of
  A4

**paper** 104 (although it could be a carrier of any other material such as a
plastics...

...identifying markings printed on
some parts of it to form areas 107 of a position- **identifying** **pattern**
108.

This background markings are referred to as 44pattern" in this text. Also
printed on the **paper** 104 are further markings 109 which are clearly
visible to a human user of the...


**21/3,K/8** **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01216290 **Image available**
**METHOD, APPARATUS AND RELATED COMPUTER PROGRAM FOR REPLYING AND CREATING
   E-MAILS**
**PROCEDE, DISPOSITIF ET PROGRAMME ASSOCIE POUR REPONDRE A DES MESSAGES
   ELECTRONIQUES ET EN CREER**
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
     Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
     designated states except: US)
Patent Applicant/Inventor:
  GONZALEZ Manuel, Maspons 1, 2o 1a, E-08012 Barcelona, ES, ES (Residence),
     ES (Nationality), (Designated only for: US)
  ABAD Jose, Ramon Casas 37, 2-1, E-08190 Sant Cugat del Valles, Barcelona,
     ES, ES (Residence), ES (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
     Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent:                  WO 200524676 A1 20050317 (WO 0524676)
  Application:             WO 2004EP51936 20040827  (PCT/WO EP04051936)
  Priority Application: GB 200321173 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 17383

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
...  to proceed with those acts.
  5

In addition to printing the original e-mail onto **paper** , a
position- **determining** **pattern** may be printed onto the **paper** in the same
printing operation, the **pattern** enabling the pen to **determine** its
position, thereby enabling the reply markings to be **captured** **digitally**
by the **pen** .

An alternative may be to use dead-reckoning to determine the position of
the pen...

...that wavelength.

With hindsight it is possible to see that Anoto Group AB have a **digital
pen**
and **digital** **paper** e-mail application for their "dot **pattern** "
digital
position- **determining** technology.

The Anoto e-mail pad allows a user to write out e-mails that...

Claim
... the original e-mail.

8 The method of any preceding claim comprising printing a
position- **determining** **pattern** **paper** , in addition to the original
C-mail, onto
**paper** in the same printing operation, the **pattern** enabling the pen to
**determine** its position, thereby enabling the reply markings to be .
**captured** **digitally** by the **pen** .

9 The method of any one of claims 1 to 7 comprising using a
waymarker...

...according to claim I or claim 13 or claim 34, the
method comprising using digital **paper** printed with a pattern adapted to
enable a **digital** **pen** to **identify** its position in the **pattern** , and
a **digital** **pen**
adapted to **identify** its position in the **pattern** , the method further
comprising printing an electronic version of a received e-mail or draft
...
...mail, and editing the printed version of the
received or draft e-mail using the **digital** **pen** , the **digital** **pen**
**capturing** **digitally** editing markings made by the **pen** , and using the
**captured** digital editing markings, along with the electronic version of
the received or draft e-mail...

...of the received or draft e-mail in computer memory and using the pen to
**recognise** the **pattern** on the printed sheet material and associating
the captured digital editing marking with the specific...

...method of replying to an e-mail comprising printing out a received
e-mail on **paper** with a position **determining** **pattern** of dots printed
thereupon, handwriting reply markings on the printed c-mail using an
electronic **digital** **pen** , comprising an ink source, an infra-red
emitting LED and an infra-red sensor, the...

...the reply markings and capture their position on the printed
e-mail, using the position **determining** **pattern** , to create a digital
version of the reply markings, and sending an e-mail to...

01216286     **Image available**
**PRODUCTS WITH POSITION IDENTIFICATION PATTERN**
**PRODUITS AVEC MOTIF D'IDENTIFICATION DE POSITION**
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,
    Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  BROUHON Patrick, 214 Chemin des Reposes, F-38410 Saint Martin d'Uriage,
    FR, FR (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent:             WO 200524619 A2-A3 20050317 (WO 0524619)
  Application:        WO 2004EP51932 20040827  (PCT/WO EP04051932)
  Priority Application: GB 200321174 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5890

Fulltext Availability:
  Detailed Description

Detailed Description
...  I,- a document 2 according to an embodiment of the
  invention for use in a **digital**  **pen**  and **paper** system comprises a
  carrier 3 in the form of a single sheet of  **paper**  4 with position
  identifying markings 5 printed on some parts of it. The markings 5, which
  are not shown to scale in  **Figure**  1, form a position  **identifying**
  **pattern**  6 on the document 2. Also printed on the  **paper**  4 are further
  markings 7 which are clearly visible to a human user of the...

01216284     **Image available**
**METHODS AND APPARATUS FOR GENERATING IMAGES**
**PROCEDE ET APPAREIL POUR LA GENERATION D'IMAGES**
Patent Applicant/Assignee:
  HEWLETT-PACKARD DEVELOPMENT COMPANY L P, Legal dept., 20555 S.H. 249,

Houston, Texas 77070, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  BROUHON Patrick, 214 Chemin des Reposes, F-38410 Saint Martin d'Uriage,
    FR, FR (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
  LEADBETTER Benedict (agent), Hewlett-Packard Espanola, S.L., Legal Dept.,
    Avda Graells, 501, E-08174 Sant Cugat del Valles, ES,
Patent and Priority Information (Country, Number, Date):
  Patent:                WO 200524702 A1 20050317 (WO 0524702)
  Application:           WO 2004EP51929 20040827  (PCT/WO EP04051929)
  Priority Application: GB 200321169 20030910
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6751

Fulltext Availability:
  Detailed Description

Detailed Description
...   Referring to Figure 1, a document 2 according to the invention for use
  in a **digital   pen** and **paper** system comprises a carrier 3 in the form
  of a single sheet of  **paper**  4 with position identifying markings 5
  printed on some parts
  of it. The markings 5, which are not shown to scale in **Figure**  1, form a
  position **identifying   pattern**  6 on the document 2. Also printed on the
   **paper**  4 are further markings 7 which are clearly visible to a human
  user of the...

 **21/3,K/11**      **(Item 5 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01203837      **Image available**
**DIGITAL PEN FUNCTION CONTROL**
**COMMANDE DE FONCTIONS POUR STYLO NUMERIQUE**
Patent Applicant/Assignee:
  LOGITECH EUROPE S A, Moulin du Choc D, CH-1122 Romanel-sur-Morges, CH, CH
    (Residence), CH (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  DUPRAZ Jean-Luc, R. Bremblens 6, CH-1026 Echandens, CH, CH (Residence),
    CH (Nationality), (Designated only for: US)
  KEHLSTADT Florian M, 1123 Aclens, CH-Au Chalet, CH, CH (Residence), CH
    (Nationality), (Designated only for: US)
  DUBOIS Emmanuel, 54, chemin du Verger au Roi, F-01630 Sergy, FR, FR
    (Residence), FR (Nationality), (Designated only for: US)
  LAUPER Fabrice, 10, Bd de Grancy, CH-1006 Lausanne, CH, CH (Residence),
    CH (Nationality), (Designated only for: US)

Patent and Priority Information (Country, Number, Date):
  Patent:                WO 200510634 A2-A3 20050203 (WO 0510634)
  Application:           WO 2004IB3218 20040729  (PCT/WO IB04003218)
  Priority Application: US 2003631434 20030730
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6422

Fulltext Availability:
  Detailed Description

Detailed Description
...  display ("LCD").

  [00411 Yet another example of a functionality that can be available in
  the **digital pen** I 00 is that of a user notification function, e.g.,
  an alarm notification or the like, provided in response to a user
  programmed triggering event. The special **paper** may include conventional
  patterned **paper** , e.g., having glyphs, and the "magic boxes" may be
  preset patterns corresponding to a function once that **pattern** image is
  **detected** . In addition, in one embodiment, special **paper** with specific
  fields ("magic boxes") can be used to enter an alarm.

  In one embodiment...


  **21/3,K/12        (Item 6 from file: 349)**
  DIALOG(R)File 349:PCT FULLTEXT
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  01185917
  **CHEMOKINE RECEPTOR BINDING HETEROCYCLIC COMPOUNDS WITH ENHANCED EFFICACY**
  **COMPOSES HETEROCYCLIQUES SE FIXANT AUX RECEPTEURS DE CHIMIOKINE AVEC UNE**
     **EFFICACITE ACCRUE**
  Patent Applicant/Assignee:
   ANORMED INC, No. 200 - 20353 64th Avenue, Langley, British Columbia V2Y
      1N5, CA, CA (Residence), CA (Nationality), (For all designated states
      except: US)
  Patent Applicant/Inventor:
   BRIDGER Gary J, 445 S. Garden Street, Bellingham, WA 98225, US, US
      (Residence), US (Nationality), (Designated only for: US)
   KALLER Al, 105-2190 W. 8th Avenue, Vancouver, British Columbia V6K 2A4,
      CA, CA (Residence), US (Nationality), (Designated only for: US)
   HARWIG Curtis, 285 West 47th Avenue, Vancouver, British Columbia V5Y 2Y3,
      CA, CA (Residence), CA (Nationality), (Designated only for: US)
   SKERLJ Renato, 2168 West 14th Avenue, Vancouver, British Columbia V6K 2V7
      , CA, CA (Residence), US (Nationality), (Designated only for: US)
   BOGUCKI David, 203-16071 82nd Avenue, Surrey, British Columbia V3S 2L6,

CA, CA (Residence), CA (Nationality), (Designated only for: US)
WILSON Trevor R, 49-56513 200th Street, Langley, British Columbia V2Y 2V7
, CA, CA (Residence), CA (Nationality), (Designated only for: US)
CRAWFORD Jason, 201-21 North Renfrew Street, Vancouver, British Columbia
V5K 3N6, CA, CA (Residence), CA (Nationality), (Designated only for:
US)
MCEACHERN Ernest J, 3-15110 Beachview Avenue, White Rock, British
Columbia V4B 1P6, CA, CA (Residence), CA (Nationality), (Designated
only for: US)
ATSMA Bem, 137 -3300 Horn Street, Abbotsford, British Columbia V2S 7Y7,
CA, CA (Residence), CA (Nationality), (Designated only for: US)
NAN Siqiao, 40-7111 Lynnwood Drive, Richmond, British Columbia V7C 5S9,
CA, CA (Residence), CA (Nationality), (Designated only for: US)
ZHOU Yuanxi, 210-1675 Martin Drive, Surrey, British Columbia V4A 6E2, CA,
CA (Residence), CA (Nationality), (Designated only for: US)
SCHOLS Dominique, Kierveld 9, B-3020 Herent, BE, BE (Residence), BE
(Nationality), (Designated only for: US)
SMITH Christopher Dennis, Apt. #1, 26 Highview Cres., Toronto, Ontario
M6H 2Y2, CA, CA (Residence), CA (Nationality), (Designated only for:
US)
DI FLURI Maria Rosaria, 5785B Charles Street, Burnaby, British Columbia
V5B 2G5, CA, CA (Residence), CA (Nationality), (Designated only for:
US)
Legal Representative:
TONGCO Emily C (et al) (agent), Morrison & Foerster LLP, Suite 500, 3811
Valley Centre Drive, San Diego, CA 92130-2332, US,
Patent and Priority Information (Country, Number, Date):
Patent:              WO 2004106493 A2 20041209 (WO 04106493)
Application:         WO 2004US15977 20040521  (PCT/WO US04015977)
Priority Application: US 2003446170 20030523; US 2003457034 20030606
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 151417

Fulltext Availability:
Detailed Description

Detailed Description
...  substituted alkyl groups include methyl, ethyl, propyl, etc.

and including cycloalkyls such as cyclopropyl, cyclobutyl, **cyclopentyl** ,
cyclohexyl, cycloheptyl, etc.; examples of optionally substituted alkenyl
groups include allyl, crotyl, 2-pentenyl, 3...


**21/3,K/13**     **(Item 7 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01074830    **Image available**
**A METHOD FOR MANAGING INFORMATION**
**PROCEDE DE GESTION DE L'INFORMATION**
Patent Applicant/Assignee:
  ANOTO AB, Scheelevagen 19C, S-223 70 Lund, SE, SE (Residence), SE
    (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  WIEBE Linus, Gronegatan 8, S-222 24 Lund, SE, SE (Residence), SE
    (Nationality), (Designated only for: US)
  AKERSTEN Christoffer, Erik Dahlbergsgatan 29B, S-115 32 Stockholm, SE, SE
    (Residence), SE (Nationality), (Designated only for: US)
  JAKOBSSON Mikael, Planvagen 6, S-226 47 Lund, SE, SE (Residence), SE
    (Nationality), (Designated only for: US)
  ANDERSEN Jacob, Hunnebergsvagen 12, S-167 43 Bromma, SE, SE (Residence),
    SE (Nationality), (Designated only for: US)
  AF TRAMPE Henrik, Olshogsgatan 18, S-223 62 Lund, SE, SE (Residence), SE
    (Nationality), (Designated only for: US)
 .HOLLMAN Joachim, Mosebacke Torg 14, S-116 20 Stockholm, SE, SE
    (Residence), SE (Nationality), (Designated only for: US)
  WALLQUIST Olof, Radmansgatan 77, S-113 60 Stockholm, SE, SE (Residence),
    SE (Nationality), (Designated only for: US)
Legal Representative:
  AWAPATENT AB (agent), Box 5117, S-200 71 Malmo, SE,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 2003105064 A1 20031218 (WO 03105064)
  Application:         WO 2003SE886 20030530  (PCT/WO SE0300886)
  Priority Application: SE 20021724 20020605; US 2002386751 20020610
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility
  model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE
  (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN
  IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
  NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC
  VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6187

Fulltext Availability:
  Detailed Description

Detailed Description
...  the present invention can be utilized. A draw
  ing device in the form of a **digital    pen** 101 is used for
  writing on a sheet of **paper** 102 which is provided with a
  position-coding pattern 103 (enlarged). By a sensor in
  the pen optically recording the position-coding **pattern**
  and **detecting** the corresponding positions, a sequence of
  positions is generated in the pen 101 and constitutes
  a digital copy of what is being written on the sheet of
  **paper** 102. Other types of sensors than optical are con
  ceivable in this context, such as...

00977202     **Image available**
**ELECTRONIC PEN CATALOG ORDERING SYSTEM AND METHOD OF USING THE CATALOG TO STIMULATE ELECTRONIC PEN USE**
**SYSTEME DE COMMANDE DANS UN CATALOGUE PAR CRAYON ELECTRONIQUE ET PROCEDE D'UTILISATION DU CATALOGUE POUR ENCOURAGER L'UTILISATION DU CRAYON ELECTRONIQUE**
Patent Applicant/Assignee:
  ANOTO AB, C Technologies AB, Scheelevagen 15, S-223 70 Lund, SE, SE
    (Residence), SE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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    , SE (Nationality), (Designated only for: US)
  TORBJORNSEN Rune, Vapenstigen 6, S-181 46 Lidingo, SE, SE (Residence), SE
    (Nationality), (Designated only for: US)
Legal Representative:
  AWAPATENT AB (agent), Box 45086, S-104 30 Stockholm, SE,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200307211 A1 20030123 (WO 0307211)
  Application:         WO 2002SE1349 20020705  (PCT/WO SE0201349)
  Priority Application: SE 20012506 20010713
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
  CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
 .DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU
  ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
  MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN
  TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11332

Fulltext Availability:
  Claims

Claim
... time of initial sale.
  15 The system of claim 1 wherein said wand is a **digital**
   **pen** intended for interaction with digital **paper** having a
  position defining **pattern** background as said item
   **identifying** indicia,
  said **digital** **pen** sold to consumers being further
  used to access additional information encoded in one or
  more...

00905272     **Image available**

service that correlates either the position of the digi
tal **pen** on **digital** **paper** to a requested action, or to
otherwise convey the instruction and provides a requested
action...
...billing arrangement, the network operator
may offer a service corresponding to the position of the
**digital** **pen** and may bill an end user for that service. In
a second billing arrangement, the...

...102a-102n may be individuals
who use a portable hand-held device, such as a **digital**
**pen** , and'a surface, such as digital **paper** , to obtain
services offered by a network operator or service pro
vider. For example, writing from a **digital** **pen** on **digital**
**paper** may be transformed to a facsimile message, an elec
tronic mail (e-mail) message, or...

...may be routed
to an appropriate destination, which may be indicated by
the writing. The **digital** **pen** may include a transmitter
for communicating directly over a network, or may include
a transmitter...

...services. For example, an advertise
ment for flowers may be printed with portions containing
digital **paper** code. By touching an appropriate part of
the advertisement with a **digital** **pen** , an order for
flowers might be placed to a local flower shop, where the
order...

...Business end users 112a-112n may use a portable
hand-held device, such as a **digital** **pen** , and a surface,
such as digital **paper** , in a manner similar to individual
end users 102a-102n. Business end users, however, might
typically use a **digital** **pen** in conjunction with an agreement between
a network operator and a service provider.
The business...

...user 112a may be an
employee of UPS (United Parcel Service). UPS might have
a **digital** **pen** -based inventory system, and equip delivery
personnel with **digital** **pens** for transmitting delivery
status information to a host computer. Accordingly, UPS
is a service provider...

...UPS account
is billed, as opposed to billing separate accounts for
each end user and **pen** .
**Digital** **paper** may be an ordinary piece of **paper** on
which a unique proprietary pattern has been printed. A
very small portion of the pattern may be associated with
a uniquely defined function, such that when that **pattern**
portion is **detected** by a **digital** **pen** , the associated
function may be implemented. The pattern may include
small dots with a nominal spacing, which are slightly
displaced from a grid structure. As a customer writes
on digital **paper** using a **digital** **pen** , the **pen** may take
periodical snapshots of the pattern (e.g., every
1/100 second). Each snapshot...

...operator or
service provider corresponds to the particular location
on the full pattern. Alternatively, the **digital    pen** may
be configured to read other forms of code, carrying
information  ...can be used for a range of applications, each with its
own functionality assigned. A **digital    pen** may include, for example, a
tradi
tional ink container, a detector, such as a digital...

...processor, memory, and a transceiver.
One of skill in the art will recognize that a **digital    pen**
may include either more or fewer components. For example,
some **digital    pens** may not include an ink container. The
digital camera may take digital snapshots of the...

...the camera. The image processor may calculate the exact position of the
snapshots in the **pattern** . The position may be **determined** to the
extent that coordinates corresponding to the snapshots can be determined.
The memory may...

...identification. The tran
sceiver may also transmit data indicative of the writing
on the digital **paper** to the appropriate network operator
or service provider. While a **digital    pen** has been
described as including a Bluetooth transceiver, one of
skill in the art will...

...such as individual end user
102a, may receive an invoice for services corresponding
to the **digital    pen** and **digital    paper** from a variety of
entities, such as a network operator, service provider,
or payment provider...
...entity. Sometimes, an individual end user may not get
charged for services corresponding to the **digital    pen** and
 **digital    paper** hut still be financially responsible to a
network operator for the use of a communication...

...the network operator.
Communications devices 104a-104n and 114a-114n
receive wireless information from a **digital    pen** operat
ed by an end user and forward it to remote locations,
such as mapping...

...may also receive mapping
information from mapping lookup service 108 for forward
ing to a **digital    pen** that requested the information. In
one embodiment, mapping information may be a URL (uniform
resource...

...information with mapping
information. Position information may include coordinates
indicative of a location of a **digital    pen** on **digital**
 **paper** . More particularly, the coordinates correspond to
the location of the **digital    pen** on the full pattern. This
location may either be assigned a pre-defined application
or...in a diffe
rent billing arrangement. A service provider typically
may receive information from a **digital    pen** indicative of
a particular service desired by the end user with the
pen. After giving...

**METHODS AND SYSTEM FOR COMMUNICATIONS SERVICE REVENUE COLLECTION**
**PROCEDES ET SYSTEMES DESTINES AUX COLLECTES DES RECETTES D'UN SERVICE DE COMMUNICATIONS**

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    (Nationality), (Designated only for: US)
Legal Representative:
  AWAPATENT AB (agent), Box 5117, SE-200 71 Malmo, SE,
Patent and Priority Information (Country, Number, Date):
  Patent:                WO 200239349 A1 20020516 (WO 0239349)
  Application:           WO 2001SE2503 20011113  (PCT/WO SE0102503)
  Priority Application: SE 20004156 20001113; US 2001277285 20010321; SE
    20011240 20010406
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
  CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
  DZ EC EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU
  ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
  MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR
  TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9128

Fulltext Availability:
  Claims

Claim
...  cumbersome or awkward. While individuals are often very com
  fortable conveying information using pen and **paper** , and
  secondarily using keyboards and mouses, as communications
  hardware becomes smaller, input devices become more...

...a communications system
  where a request for mapping information corresponding to
  a position of a **digital pen** on **digital paper** , is sent to
  a mapping lookup service. The position of the pen on
   **paper** may correspond to a service offered by a network
  operator. Mapping information may then be retrieved and
  sent to the **digital pen** , and a payment collected from the
  network operator for retrieving the mapping information.
  The above...collection. A mapping lookup service may retrieve mapping
  information corresponding to a position of a **digital pen**
  on **digital paper** in response to a request for the mapping
  information from the **digital pen** . Alternatively, an elec
  tronic pen-like device may be used to read or otherwise
  generate...

...network operator may offer a

dual end user 102a, may use a **digital pen** and **digital paper** for the purpose of accessing a service offered by a service provider, such as service...

...individual end user 102a desiring
to order flowers may do so by scanning with a **digital pen**
a coded portion of an advertisement for flowers. As a
result, an order for flowers...

...s phone bill, for example. Recipient informa
tion may be inputted and transmitted using the **digital
pen** , and the identity of the purchaser may be known by a
unique identification number transmitted...

...a service to be completed, individual end user
. 102a may first need to touch the **digital pen** to an area
of the digital **paper** designated for sending messages.
Recognizing the area of the **digital paper** , the **digital
pen** may send a reques

t to mapping lookup service 108
(step 604). The request may...


**21/3,K/16      (Item 10 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00884007      **Image available**
**DIGITAL PEN**
**STYLO NUMERIQUE**
Patent Applicant/Assignee:
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  IBM UNITED KINGDOM LIMITED, P.O. Box 41, North Harbour, Portsmouth,
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    only for: MG)
Inventor(s):
  SMITH Barton Allen, 935 Crockett Avenue, Campbell, CA 95008, US,
  ZIMMERMAN Thomas Guthrie, 7611 Hollanderry Place, Cupertino, CA 95014, US
    ,
Legal Representative:
  WALDNER Philip (agent), IBM United Kingdom Limited, Intellectual Property
    Law, Hursley Park, Winchester, Hampshire SO21 2JN, GB,
Patent and Priority Information (Country, Number, Date):
  Patent:            ·      WO 200217222 A2-A3 20020228 (WO 0217222)
  Application:              WO 2001GB3333 20010723   (PCT/WO GB0103333)
  Priority Application: US 2000644809 20000823
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
  TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English

Filing Language: English
Fulltext Word Count: 4970

English Abstract
    A **digital    pen** that has an ink writing tip includes a laser on a pen
    body that directs light toward **paper** across which the writing tip is
    stroked. A diffraction grating reflects a reference beam and passes a
    scattered beam from the substrate toward translation **detectors** , which
    consequently receive interference **patterns** of light. A processor
    receives the signals from the detectors, generates position signals, and
    stores...
    ...host processor which combines them to produce rotation--corrected
    relative positions (if no bar coded **paper** is used) or rotation-
    corrected absolute positions (if bar coded **paper** is used) that can be
    used to render alpha-numeric characters or graphical representations.

   **21/3,K/17        (Item 11 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00842075      **Image available**
**METHOD AND SYSTEM FOR INFORMATION ASSOCIATION**
**PROCEDE ET SYSTEME POUR L'ASSOCIATION D'INFORMATIONS**
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      (Residence), SE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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      (Nationality), (Designated only for: US)
   WESTERBERG Ida, Major Nilssonsgatan 11 B, S-217 52 Malmo, SE, SE
      (Residence), SE (Nationality), (Designated only for: US)
   SKANTZE Kristofer, Jutahusgatan 6, S-222 29 Lund, SE, SE (Residence), SE
      (Nationality), (Designated only for: US)
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   BURSTROM Stefan, Kamnarsratten 8B:201, S-226 45 Lund, SE, SE (Residence),
      SE (Nationality), (Designated only for: US)
Legal Representative:
   AWAPATENT AB (agent), Box 5117, S-200 71 Malmo, SE,
Patent and Priority Information (Country, Number, Date):
   Patent:                WO 200175781 A1 20011011 (WO 0175781)
   Application:           WO 2001SE750 20010405  (PCT/WO SE0100750)
   Priority Application: SE 20001253 20000405; SE 20003195 20000907; SE
      20004157 20001113
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
   CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
   DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID
   IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
   NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA
   UG US UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
   (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English

Fulltext Word Count: 8893

Fulltext Availability:
  Detailed Description

Detailed Description
...  which letters or numerals may be written.

   The pen is arranged to write on the **paper** , for example
   "Message 111 and "Message 211. During the writing, the pen
   senses the dots of the **pattern** and **calculates** position coordi
   nates for the pen at regular time intervals, such as 100 times
   per second. Thus, a **digital** trace of the **pen** movement is
   formed in the pen. The pen may also, in addition to position
   information and time information, store information about the
   **pressure** between the **pen** and **paper** and the inclination and
   rotation of the pen in relation to the **paper** . The information
   is stored as a set of coordinates, which may be converted to a...


 **21/3,K/18      (Item 12 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00837850    **Image available**
**DEVICE AND METHOD FOR COMMUNICATION**
**DISPOSITIF ET PROCEDE DE COMMUNICATION**
Patent Applicant/Assignee:
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    (Residence), SE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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    (Nationality), (Designated only for: US)
 · ERICSON Petter, Industrigatan 2 B, S-212 14 Malmo, SE, SE (Residence), SE
    (Nationality), (Designated only for: US)
Legal Representative:
  AWAPATENT AB (agent), P.O. Box 5117, S-200 71 Malmo, SE,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 200171476 A1 20010927 (WO 0171476)
  Application:          WO 2001SE607 20010321  (PCT/WO SE0100607)
  Priority Application: SE 2000940 20000321
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
  CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
  DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID
  IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
  NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA
  UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6909

Fulltext Availability:
  Claims

Claim
... pattern unambiguously defining
part of the address.
The product preferably consists of a sheet of **paper**
in anewspaper but may also consist of e.g. an information board.
Position-coding patterns...
...As
a result, the handwritten information is recorded while
being written on the sheet of **paper** . Since the address
area contains an address-coding pattern it is possible to
read the...the
information they code. A user unit must then interpret
the information represented by the **patterns** before it can
 **determine** whether it is a position-coding pattern or an
address-coding pattern. The address-coding...according to a preferred
embodiment of the present invention. The product is a
sheet of **paper** 1, which comprises a writing area 2 and
an address area 3.. According to a preferred embodiment
of the present invention, the sheet of **paper** 1 is a page
in a newspaper. The writing area comprises a pcsition
coding pattern...

...prises a pen point 21 by means of which a user can enter
information. The **pen** point is **pressure** -sensitive and con
nected to the image-processing means. When the pen point
21 is...at least contain such a number of symbols
that the position on the sheet of **paper** can he determined. The
image-processing means 9 **recognises** that the **pattern** in the image
corresponds to a position-coding pattern and converts the pattern in a...


 **21/3,K/19** **(Item 13 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00828895 **Image available**
**METHOD AND SYSTEM FOR CONFIGURING AND UNLOCKING AN ELECTRONIC READING
 DEVICE**
**PROCEDE ET SYSTEME POUR CONFIGURER ET DEVERROUILLER UN DISPOSITIF DE
 LECTURE ELECTRONIQUE**
Patent Applicant/Assignee:
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 (Residence), SE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
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 (Nationality), (Designated only for: US)
 TILLGREN Magnus, Ostra Farmvagen 42B, S-214 41 Malmo, SE, SE (Residence),
 SE (Nationality), (Designated only for: US)
 OLSSON Patrik, Borringegatan 6C, S-217 72 Malmo, SE, SE (Residence), SE
 (Nationality), (Designated only for: US)
 BORGSTROM Anders, V. Gyeholmsvagen 17A, S-239 32 Skanor, SE, SE
 (Residence), SE (Nationality), (Designated only for: US)
 GARDENFORS Torbjorn, Kornettsgatan 24A, S-211 50 Malmo, SE, SE
 (Residence), SE (Nationality), (Designated only for: US)
Legal Representative:
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 SE,
Patent and Priority Information (Country, Number, Date):
 Patent:              WO 200161635 A2-A3 20010823 (WO 0161635)
 Application:         WO 2001EP1403 20010209 (PCT/WO EP0101403)

Fulltext Availability:
  Detailed Description

Detailed Description
...   while the tip
  284 of the electronic pen 10 is in contact with the formatted
   **paper**  282, a sensor or camera in the electronic pen 10 can
   **detect**  a portion of the address  **pattern**  adjacent to the
  electronic pen 10. The  **detected**  portion of the address  **pattern**
  can then be converted, by processing address  **pattern**  images
   **detected**  by the sensor or camera, into data identifying: the
  current position of the electronic pen...

...angle of 0 to 90 degrees (as
  35
  indicated at 288); and the amount of  **pressure**  between the
  electronic  **pen**  tip 284 and the formatted  **paper**  282. This data
  can then be sent to a controlled device at a specified update...
?